

```

1> /*
2> ** Sybase-Script made in December 1990 by Lutz-Peter Kurdelski
3> **   AWI-Rechnergruppe
4> **
5> ** Modified: 1991-09-04 by lpk       update_ship trigger geaendert: Beim
6> **                               update wird das Schiff in jedem Fall
7> **                               in die Tabelle Ship_Updated eingetragen.
8> **
9> ** FILE: cruise.script LOG
10> **
11> ** Die Tabellen Ship und Cruise werden erzeugt.
12> **
13> ** Es werden Trigger auf delete, insert, update gelegt,
14> ** so dass nachvollziehbar ist, wer was wann geendert hat.
15> **
16> ** Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB
17> ** bereits existiert.
18> */
19> use master
1> /* Erzeugen der Datenbank
2> **   Die Datenbank muss nicht mehr erzeugt werden.
3> */
4> if not exists (select * from master.dbo.sysdatabases
5>                where name = "SouthernOceanDB")
6> begin
7> print 'SouthernOceanDB does not exist !!!'
8> return
9> end
10>
11> use SouthernOceanDB
(0 rows affected)
1>
2> /* Erzeugen der Tabellen */
3> if exists (select * from sysobjects where name="Cruise")
4> drop table Cruise
1>
2> create table Cruise
3>     (Cruise_Number#      int,          /* internal identification */
4>      Cruise_number#      int,          /* Cruise number */
5>      Ship_Id#            int,          /* Ship_Id from Ship */
6>      )
1>
2> if exists (select * from sysobjects where name="Cruise_Deleted")
3> drop table Cruise_Deleted
1>
2> create table Cruise_Deleted
3>     (Cruise_Number#      int,          /* internal identification */
4>      Cruise_number#      int,          /* Cruise number */
5>      Ship_Id#            int,          /* Ship_Id from Ship */
6>      user_id#            int,          /* who deleted data */
7>      date                datetime     /* date of deletion */
8>      )
1>
2> if exists (select * from sysobjects where name="Cruise_Updated")
3> drop table Cruise_Updated
1>
2> create table Cruise_Updated
3>     (Cruise_Number#      int,          /* internal identification */
4>      Cruise_number#      int,          /* Cruise number */
5>      Ship_Id#            int,          /* Ship_Id from Ship */
6>      Old_Cruise_Number# int,          /* internal identification */
7>      Cruise_number#      int,          /* Cruise number */
8>      Old_Ship_Id#        int,          /* Ship_Id from Ship */
9>      user_id#            int,          /* who updated data */
10>     date                datetime     /* date of update */
11>     )

```

```

1>
2> if exists (select * from sysobjects where name="Ship")
3>   drop table Ship
1>
2> create table Ship
3>   (Ship_Id#          int,          /* internal identification */
4>   Ship_Name         varchar(80),   /* the name of the ship */
5>   Country           varchar(80),   /* the country */
6>   Ship_Code         varchar(8) null /* the ship code */
7>   )
1>
2> if exists (select * from sysobjects where name="Ship_Deleted")
3>   drop table Ship_Deleted
1>
2> create table Ship_Deleted
3>   (Ship_Id#          int,          /* internal identification */
4>   Ship_Name         varchar(80),   /* the name of the ship */
5>   Country           varchar(80),   /* the country */
6>   Ship_Code         varchar(8) null, /* the ship code */
7>   user_id#         int,
8>   date              datetime
9>   )
1>
2> if exists (select * from sysobjects where name="Ship_Updated")
3>   drop table Ship_Updated
1>
2> create table Ship_Updated
3>   (Ship_Id#          int,          /* internal identification */
4>   Ship_Name         varchar(80),   /* the name of the ship */
5>   Country           varchar(80),   /* the country */
6>   Ship_Code         varchar(8) null, /* the ship code */
7>   Old_Ship_Name     varchar(80),   /* the name of the ship */
8>   Old_Country       varchar(80),   /* the country */
9>   Old_Ship_Code     varchar(8) null, /* the ship code */
10>  user_id#         int,
11>  date              datetime
12>  )
1>
2> /* Definition der Primaerschlüssel in den Tabellen */
3>
4> execute sp_primarykey Cruise, Cruise_Number#
5> execute sp_primarykey Ship, Ship_Id#
New primary key added.
(return status = 0)
New primary key added.
(return status = 0)
1>
2> /* Definition der Sekundaerschlüssel in den Tabellen */
3>
4> execute sp_foreignkey Cruise, Ship, Ship_Id#
New foreign key added.
(return status = 0)
1>
2> /* Generieren der Indizes */
3>
4> /*
5> create unique index Cruise_Index
6> on Cruise (Cruise_Number#)
Msg 113, Level 15, State 1:
Server 'SYBASE401', Line 7:
Missing end comment mark '*/'.
1> */
2>
3> create clustered index Cruise_Ship_Index
4> on Cruise (Ship_Id#)
Msg 102, Level 15, State 1:

```

Server 'SYBASE401', Line 1:  
Incorrect syntax near '\*'.

```
1>
2> create unique index Ship_Index
3> on Ship (Ship_Id#)
1>
2> /* Erzeugen der Views */
3> /* Erzeugen der Prozeduren */
4> /* Erzeugen von Trigger */
5>
6> create trigger Insert_Cruise
7> on Cruise
8> for insert
9> as
10> begin
11>     declare @msg varchar(80),
12>            @sid int
13>
14>     if not exists (select *
15>                    from Ship, inserted
16>                    where Ship.Ship_Id# = inserted.Ship_Id#)
17>         begin
18>             select @sid = Ship_Id# from inserted
19>             select @msg = "INSERT Cruise: Please insert the ship #" +
20>                            convert(varchar(20),@sid) + " first into Ship"
21>             print @msg
22>             rollback transaction
23>         end
24>     end
1>
2> create trigger Delete_Cruise
3> on Cruise
4> for delete
5> as
6>     begin
7>         if exists (select *
8>                    from Station, deleted
9>                    where Station.Cruise_Number = deleted.Cruise_Number#)
10>             begin
11>                 print "DELETE Cruise: There exists a station corresponding to this C
12>                 rollback transaction
13>             end
14>         else
15>             begin
16>                 insert into Cruise_Deleted
17>                 select deleted.Cruise_Number#,
18>                        deleted.Ship_Id#,
19>                        suser_id(),
20>                        getdate()
21>                 from deleted
22>             end
23>         end
1>
2> create trigger Update_Cruise
3> on Cruise
4> for update
5> as
6>     begin
7>         declare @msg varchar(80),
8>                @sid int
9>
10>         if not exists
11>         (select *
12>          from Ship, inserted
13>          where Ship.Ship_Id# = inserted.Ship_Id#)
14>             begin
```

```

15> select @sid = Ship_Id# from inserted
16> select @msg = "UPDATE Cruise: Please insert the ship #" +
17>             convert(varchar(20),@sid) + " first into Ship"
18> print @msg
19> rollback transaction
20>     end
21> else
22>     begin
23> if update(Cruise_Number#)
24>     begin
25>         if exists
26>             (select *
27>              from Station, deleted
28>              where Station.Cruise_Number = deleted.Cruise_Number#)
29>         begin
30>             select @sid = Cruise_Number from deleted
31>             select @msg = "UPDATE Cruise: There exists at least one station"
32>                 + "(" + convert(varchar(20),@sid) + ")" +
33>                 + " corresponding to this Cruise_Number"
34>             print @msg
35>             rollback transaction
36>         end
37>     else
38>         begin
39>             insert into Cruise_Updated
40>             select inserted.Cruise_Number#,
41>                    inserted.Ship_Id#,
42>                    deleted.Cruise_Number#,
43>                    deleted.Ship_Id#,
44>                    suser_id(),
45>                    getdate()
46>             from inserted, deleted
47>             print "UPDATE Cruise successful"
48>         end
49>     end
50> end

```

Msg 102, Level 15, State 1:  
Server 'SYBASE401', Procedure 'Update\_Cruise', Line 50:  
Incorrect syntax near 'end'.

```

1>
2> create trigger Delete_Ship
3> on Ship
4> for delete
5> as
6>     begin
7>         declare @msg varchar(80),
8>                @sid int
9>         if exists (select *
10>                  from Cruise, deleted
11>                  where Cruise.Ship_Id# = deleted.Ship_Id#)
12>             begin
13>                 select @sid = Ship_Id# from deleted
14>                 select @msg = "DELETE Ship: Please delete the cruises for ship #" +
15>                     convert(varchar(20),@sid) + " first"
16>                 print @msg
17>                 rollback transaction
18>             end
19>         end
1>
2> create trigger Update_Ship
3> on Ship
4> for update
5> as
6>     begin
7>         insert into Ship_Updated
8>         select deleted.Ship_Id#,

```

```
9>      inserted.Ship_Name,  
10>      inserted.Country,  
11>      inserted.Ship_Code,  
12>      deleted.Ship_Name,  
13>      deleted.Country,  
14>      deleted.Ship_Code,  
15>      suser_id(),  
16>      getdate()  
17>      from inserted, deleted  
18> end  
1>  
2> /* Eintragen der Nutzer */  
3> grant select, insert, delete on Cruise to PHYSIK1  
4> grant select, insert, delete on Ship to PHYSIK1
```

```

1> /*
2> ** Sybase-Script made in by Lutz-Peter Kurdelski
3> **   AWI-Rechnergruppe
4> **
5> ** Creation-Date: 1991-02-07
6> **
7> ** Changing of cruise ids in table Cruise which has been
8> ** erroneous in table Aari_Cruise_Bck.
9> **
10> ** Aendern der Cruise Identifikation in der Tabelle Cruise,
11> ** da diese Daten aus der an dieser Stelle fehlerhaften
12> ** Tabelle Aari_Cruise_Bck entnommen wurden.
13> **
14> ** FILE: CRUISE_UPD070291.SCRIPT .LOG
15> */
16>
17> /* Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB
18> ** bereits existiert.
19> */
20> use master
1> /* Erzeugen der Datenbank
2> **   Die Datenbank muss nicht mehr erzeugt werden.
3> */
4> if not exists (select * from master.dbo.sysdatabases
5>                where name = "SouthernOceanDB")
6> begin
7> print 'SouthernOceanDB does not exist !!!'
8> return
9> end
10>
11> use SouthernOceanDB
(0 rows affected)
1>
2> /* Erzeugen der Tabellen */
3> /* Definition der Primaerschlüssel in den Tabellen */
4> /* Definition der Sekundaerschlüssel in den Tabellen */
5> /* Generieren der Indizes */
6> /* Erzeugen der Views */
7> /* Erzeugen der Prozeduren */
8> /* Erzeugen von Trigger */
9> /* SQL Statements */
10>
11> create procedure UpdateShipCruise @cid int,
12>                                     @sn varchar (80) = null,
13>                                     @m int = null
14> as
15>   print 'enter UpdateShipCruise'
16>   insert Ship
17>     values(@m,@sn,'unknown',NULL)
18>   update Cruise
19>     set Ship_Id# = @m
20>     where Cruise_Number# = @cid
21>   print 'leave UpdateShipCruise'
1>
2> create table #temp (id# int not null,
3>                    number int null,
4>                    name varchar(80) null)
1>
2> begin transaction
1>
2> declare @counter int,
3>         @max int,
4>         @m int,
5>         @number int,
6>         @s varchar (80),
7>         @msg varchar(80)

```



```
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
loop value = 1
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 253
(1 row affected)
(1 row affected)
  number = -25000
(1 row affected)
(1 row affected)
  name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 2
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 254
(1 row affected)
(1 row affected)
  number = -25001
(1 row affected)
(1 row affected)
  name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 3
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 255
(1 row affected)
(1 row affected)
  number = -25002
(1 row affected)
(1 row affected)
  name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 4
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 256
(1 row affected)
```



```
(1 row affected)
  number = -25003
(1 row affected)
(1 row affected)
  name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 5
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 257
(1 row affected)
(1 row affected)
  number = -25004
(1 row affected)
(1 row affected)
  name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 6
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 258
(1 row affected)
(1 row affected)
  number = -25005
(1 row affected)
(1 row affected)
  name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 7
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 259
(1 row affected)
(1 row affected)
  number = -25006
(1 row affected)
(1 row affected)
  name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 8
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 260
(1 row affected)
(1 row affected)
  number = -25007
```

```
(1 row affected)
(1 row affected)
  name      = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 9
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 261
(1 row affected)
(1 row affected)
  number   = -25016
(1 row affected)
(1 row affected)
  name     = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 10
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 262
(1 row affected)
(1 row affected)
  number   = -25017
(1 row affected)
(1 row affected)
  name     = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 11
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 263
(1 row affected)
(1 row affected)
  number   = -25018
(1 row affected)
(1 row affected)
  name     = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 12
(0 rows affected)
(1 row affected)
(1 row affected)
  max ship = 264
(1 row affected)
(1 row affected)
  number   = -25019
(1 row affected)
(1 row affected)
```

```
name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 13
(0 rows affected)
(1 row affected)
(1 row affected)
max ship = 265
(1 row affected)
(1 row affected)
number = -25020
(1 row affected)
(1 row affected)
name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 14
(0 rows affected)
(1 row affected)
(1 row affected)
max ship = 266
(1 row affected)
(1 row affected)
number = -25021
(1 row affected)
(1 row affected)
name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 15
(0 rows affected)
(1 row affected)
(1 row affected)
max ship = 267
(1 row affected)
(1 row affected)
number = -25022
(1 row affected)
(1 row affected)
name = unknown
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 16
(0 rows affected)
(1 row affected)
(1 row affected)
max ship = 268
(1 row affected)
(1 row affected)
number = -25023
(1 row affected)
(1 row affected)
name = unknown
enter UpdateShipCruise
```

```
leave UpdateShipCruise
(return status = 0)
(1 row affected)
(1 row affected)
loop value = 17
(0 rows affected)
(1 row affected)
(1 row affected)
max ship = 269
(1 row affected)
(1 row affected)
number = -25024
(1 row affected)
(1 row affected)
name = unknown
```

```
enter UpdateShipCruise
leave UpdateShipCruise
(return status = 0)
```

Msg 512, Level 16, State 1:

Server 'SYBASE401', Line 57:

Subquery returned more than 1 value. This is illegal when the subquery follows =, !=, <, <=, >, >=, or when the subquery is used as an expression.

(0 rows affected)

unknown

```
Cruise_Number
Ship
Country
Code
```

-----  
-----

```
-25000
Discovery II
U.K.
NULL
-25000
Discovery II
U.K.
NULL
-25000
Discovery II
U.K.
NULL
-25000
Discovery II
U.K.
NULL
-25001
Ob
USSR
NULL
-25001
Ob
USSR
NULL
-25001
Ob
USSR
NULL
-25001
Ob
USSR
NULL
-25002
```

Meteor  
FRG  
NULL  
-25002  
Meteor  
FRG  
NULL  
-25002  
Meteor  
FRG  
NULL  
-25002  
Meteor  
FRG  
NULL  
-25003  
Norvegia  
Norway  
NULL  
-25003  
Norvegia  
Norway  
NULL  
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Norway  
NULL  
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Norvegia  
Norway  
NULL  
-25004  
Umitaka-Maru  
Japan  
NULL  
-25004  
Umitaka-Maru  
Japan  
NULL  
-25004  
Umitaka-Maru  
Japan  
NULL  
-25004  
Umitaka-Maru  
Japan  
NULL  
-25005  
Staten Island  
USA  
NULL  
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USA  
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-25005  
Staten Island  
USA  
NULL  
-25005  
Staten Island  
USA  
NULL  
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Gen. San-Martin  
Argentina

NULL  
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Gen. San-Martin  
Argentina  
NULL  
-25006  
Gen. San-Martin  
Argentina  
NULL  
-25006  
Gen. San-Martin  
Argentina  
NULL  
-25007  
William Scoresby  
U.K.  
NULL  
-25007  
William Scoresby  
U.K.  
NULL  
-25007  
William Scoresby  
U.K.  
NULL  
-25007  
William Scoresby  
U.K.  
NULL  
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Carnegie  
USA  
NULL  
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Carnegie  
USA  
NULL  
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Carnegie  
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Carnegie  
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S.E. Baird  
USA  
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-25018

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Denmark  
NULL  
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New Zealand  
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New Zealand  
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Vityaz  
USSR  
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USSR  
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Gascoyne  
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Galathea  
Denmark  
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Galathea  
Denmark

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Galathea  
Denmark  
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Galathea  
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unknown  
NULL  
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unknown  
unknown  
NULL  
-25016  
unknown  
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NULL  
-25017  
unknown  
unknown  
NULL  
-25018



unknown  
 unknown  
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 NULL  
 -25023  
 unknown  
 unknown  
 NULL  
 -25024  
 unknown  
 unknown  
 NULL  
 -25000  
 Fuji  
 Japan  
 NULL  
 -25002  
 Fuji  
 Japan  
 NULL  
 -25007  
 Novoukrainka  
 USSR  
 NULL  
 -25001  
 Fuji  
 Japan  
 NULL

( 0 rows affected)

Cruise\_Number  
 Ship  
 Country  
 Code

-----  
 -----  
 -----  
 -21482  
 Ob  
 USSR  
 NULL  
 10063  
 Ob  
 USSR  
 NULL  
 -318  
 Ob  
 USSR  
 NULL  
 4298

Ob  
USSR  
NULL  
55001  
Ob  
USSR  
NULL  
186  
Ob  
USSR  
NULL  
187  
Ob  
USSR  
NULL  
288  
Ob  
USSR  
NULL  
369  
Ob  
USSR  
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USSR  
NULL  
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Ob  
USSR  
NULL  
-21482  
Ob  
USSR  
NULL  
10063  
Ob  
USSR  
NULL  
-25001  
Ob  
USSR  
NULL  
-318  
Ob  
USSR  
NULL  
4298  
Ob  
USSR  
NULL  
55001  
Ob  
USSR  
NULL  
186  
Ob  
USSR

NULL  
187  
Ob  
USSR  
NULL  
288  
Ob  
USSR  
NULL  
369  
Ob  
USSR  
NULL  
20  
Ob  
USSR  
NULL  
17  
Ob  
USSR  
NULL  
18  
Ob  
USSR  
NULL  
-21482  
Ob  
USSR  
NULL  
10063  
Ob  
USSR  
NULL  
-25001  
Ob  
USSR  
NULL  
-318  
Ob  
USSR  
NULL  
4298  
Ob  
USSR  
NULL  
55001  
Ob  
USSR  
NULL  
186  
Ob  
USSR  
NULL  
187  
Ob  
USSR  
NULL  
288  
Ob  
USSR  
NULL  
369  
Ob  
USSR  
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20

Ob  
USSR  
NULL  
17  
Ob  
USSR  
NULL  
18  
Ob  
USSR  
NULL  
-21482  
Ob  
USSR  
NULL  
10063  
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USSR  
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-25001  
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USSR  
NULL  
-318  
Ob  
USSR  
NULL  
4298  
Ob  
USSR  
NULL  
55001  
Ob  
USSR  
NULL  
186  
Ob  
USSR  
NULL  
187  
Ob  
USSR  
NULL  
288  
Ob  
USSR  
NULL  
369  
Ob  
USSR  
NULL  
20  
Ob  
USSR  
NULL  
17  
Ob  
USSR  
NULL  
18  
Ob  
USSR  
NULL  
-21482  
Ob  
USSR

```
NULL
10063
Ob
USSR
NULL
-25001
Ob
USSR
NULL
-318
Ob
USSR
NULL
4298
Ob
USSR
NULL
55001
Ob
USSR
NULL
186
Ob
USSR
NULL
187
Ob
USSR
NULL
288
Ob
USSR
NULL
369
Ob
USSR
NULL
20
Ob
USSR
NULL
17
Ob
USSR
NULL
18
Ob
USSR
NULL
```

(65 rows affected)

```
1>
2> if @@error != 0
3>     rollback transaction
4> else
5>     commit transaction
1>
2> drop table #temp
1>
2> drop procedure UpdateShipCruise
```

```

1> /* SYBASE script by L.-P. Kurdelski
2> **
3> ** Inserting new Cruises to Cruise and Ship
4> ** from Tokyo Fisheries Data
5> **
6> ** created 1991-02-13
7> **
8> ** FILE: ADD_TOKYO_SHIPS.SCRIPT .LOG
9> */
10>
11> use master
12> if not exists (select * from master.dbo.sysdatabases
13>                where name = "SouthernOceanDB")
14> begin
15> print 'SouthernOceanDB does not exist !!!'
16> return
17> end
18> use SouthernOceanDB
(0 rows affected)
19>
20> begin transaction
21>
22> declare @shipid int,
23>          @ship varchar(80),
24>          @msg varchar(80)
25>
26> select @ship = 'Umitaka-Maru'
27> select @shipid = (select Ship_Id#
28>                  from Ship
29>                  where Ship_Name like @ship
30>                  and Ship_Id# < 100000)
31>
32> insert Cruise values (-26001,@shipid)
33> insert Cruise values (-26002,@shipid)
34> insert Cruise values (-26003,@shipid)
35> insert Cruise values (-26004,@shipid)
36> insert Cruise values (-26005,@shipid)
37>
38> select Cruise_Number, Ship from Aari_Cruise where Ship = @ship
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
Cruise_Number
  Ship
-----
-21692
  Umitaka-Maru
    602
  Umitaka-Maru
  55004
  Umitaka-Maru
-26001
  Umitaka-Maru
-26002
  Umitaka-Maru
-26003
  Umitaka-Maru
-26004
  Umitaka-Maru
-26005

```

Umitaka-Maru  
-1934  
Umitaka-Maru  
-21692  
Umitaka-Maru  
-25004  
Umitaka-Maru  
602  
Umitaka-Maru  
55004  
Umitaka-Maru  
-21692  
Umitaka-Maru  
-25004  
Umitaka-Maru  
602  
Umitaka-Maru  
55004  
Umitaka-Maru  
-21692  
Umitaka-Maru  
-25004  
Umitaka-Maru  
602  
Umitaka-Maru  
55004  
Umitaka-Maru  
-21692  
Umitaka-Maru  
-25004  
Umitaka-Maru  
602  
Umitaka-Maru  
55004  
Umitaka-Maru

(25 rows affected)

```
1>  
2> if @@error != 0  
3>     rollback transaction  
4>     else  
5>     commit transaction
```

```
1> /*
2> ** SYBASE Script vom 1991-03-08
3> ** von L.-P. Kurdelski
4> **
5> ** Modified 1991-08-29 by D. Hinz
6> **
7> ** Update einiger Shiffsdaten in Aari_Cruise
8> **
9> ** FILE: AARI_UPDATE_SHIPS.SCRIPT . LOG
10> */
11>
12> use SouthernOceanDB
1>
2> begin transaction
1>
2> exec updateCruise -25000, 'Fuji', 'Japan'
Msg 515, Level 16, State 3:
Server 'SYBASE401', Procedure 'updateCruise', Line 23:
Attempt to insert the value NULL into column 'Ship_Id#', table
'SouthernOceanDB.dbo.Cruise'; column does not allow nulls. Update
fails.
(return status = -6)
1>
2> exec updateCruise -25001, 'Fuji', 'Japan'
Msg 515, Level 16, State 3:
Server 'SYBASE401', Procedure 'updateCruise', Line 23:
Attempt to insert the value NULL into column 'Ship_Id#', table
'SouthernOceanDB.dbo.Cruise'; column does not allow nulls. Update
fails.
(return status = -6)
1>
2> exec updateCruise -25002, 'Fuji', 'Japan'
Msg 515, Level 16, State 3:
Server 'SYBASE401', Procedure 'updateCruise', Line 23:
Attempt to insert the value NULL into column 'Ship_Id#', table
'SouthernOceanDB.dbo.Cruise'; column does not allow nulls. Update
fails.
(return status = -6)
1>
2> exec updateCruise -22012, 'Professor Zubov', 'USSR'
Msg 515, Level 16, State 3:
Server 'SYBASE401', Procedure 'updateCruise', Line 23:
Attempt to insert the value NULL into column 'Ship_Id#', table
'SouthernOceanDB.dbo.Cruise'; column does not allow nulls. Update
fails.
(return status = -6)
1>
2> exec updateCruise -25007, 'Novoukrainka', 'USSR'
(return status = 0)
1>
2> exec updateCruise -22013, 'Prof. Viese', 'USSR'
Msg 515, Level 16, State 3:
Server 'SYBASE401', Procedure 'updateCruise', Line 23:
Attempt to insert the value NULL into column 'Ship_Id#', table
'SouthernOceanDB.dbo.Cruise'; column does not allow nulls. Update
fails.
(return status = -6)
1>
2> if @@error != 0
3>     rollback transaction
4> else
5>     commit transaction
```



```
1> /*
2> ** SYBASE script
3> **
4> ** Creation: 1991-09-03
5> **
6> ** Crfeator: L.-P. Kurdelski
7> **
8> ** FILE: TRUNCATESHIP.SCRIPT .LOG -
9> **
10> */
11> use SouthernOceanDB
1>
2> truncate table Ship
1>
2> truncate table Cruise
```

## A1111\_SHIPS.LOG

LOG-43

```
1> /*
2> ** SYBASE Script by L.-P. Kurdelski
3> **
4> ** FILE: A1111_SHIPS.SCRIPT -LOG
5> **
6> ** CREATED: 1991-03-27
7> **
8> ** MODIFIED:
9> ** 1991-08-19      lpk      Procedures insert_into_cruise and
10> **                insert_new_ships are expected.
11> **                If they are not available they will
12> **                be created.
13> **
14> ** 1991-08-29      lpk      The procedures will not be created.
15> **
16> ** Insert new ships
17> ** The ships are taken from the A1111 dataset.
18> */
19> if not exists (select * from sysobjects where name like "SouthernOceanDB")
20>   begin
21>     print "SouthernOceanDB not found"
22>     return
23>   end
(0 rows affected)
SouthernOceanDB not found
1>
2> use SouthernOceanDB
1>
2> if not exists (select * from sysobjects where name like "insert_into_cruise")
3>   begin
4>     print "Procedure inser_into_cruise missing."
5>     return
6>   end
(0 rows affected)
1>
2> if not exists (select * from sysobjects where name like "insert_new_ships")
3>   begin
4>     print "Procedure insert_new_ships missing."
5>     return
6>   end
(0 rows affected)
1>
2> if exists (select * from sysobjects where name like "tempships")
3>   begin
4>     truncate table tempships
5>   end
6> else
7>   begin
8>     print "No table tempships"
9>     return
10>   end
1>
2> declare @zaehler int
3>
4> select @zaehler = 0
5> select @zaehler = @zaehler + 1
6> insert tempships values(@zaehler, -21017, "Krusenstern", "USSR")
7> select @zaehler = @zaehler + 1
8> insert tempships values(@zaehler, -21018, "Krusenstern", "USSR")
9> select @zaehler = @zaehler + 1
10> insert tempships values(@zaehler, -22015, "Prof. Viese", "USSR")
11> select @zaehler = @zaehler + 1
12> insert tempships values(@zaehler, -22016, "Prof. Zubov", "USSR")
13> select @zaehler = @zaehler + 1
14> insert tempships values(@zaehler, -22019, "Pioner Latvii", "USSR")
15> select @zaehler = @zaehler + 1
```





## A1111\_SHIPS\_UPD.LOG

LOG-44

```
1> /*
2> ** SYBASE Script by L.-P. Kurdelski
3> **
4> ** CREATED: 1991-03-27
5> **
6> ** Modification of the relation between a ship and a cruise.
7> **
8> ** FILE: A1111_SHIPS_UPD.SCRIPT .LOG
9> */
10> use SouthernOceanDB
1>
2> if not exists
3>     (select * from sysobjects where name like "changeShipNameInCruise")
4>     begin
5>         print "Procedure changeShipNameInCruise not found."
6>         return
7>     end
(0 rows affected)
1>
2> exec changeShipNameInCruise "Prof. Vieze", "Prof. Viese", 0, 0
Update of Prof. Vieze to Prof. Viese successful.
(return status = 0)
1>
2> begin transaction
1
2> delete from Ship where Ship_Name like "Prof. Vieze"
(1 row affected)
1>
2> if @@error != 0
3>     begin
4>         print 'transaction aborted'
5>         rollback transaction
6>     end
7>     else
8>         begin
9>             print 'transaction successfull'
10>             commit transaction
11>         end
transaction successfull
```

log-47

```
1> /*
2> ** SYBASE script
3> **
4> ** CREATOR: Lutz-Peter Kurdelski
5> **
6> ** CREATION: 1991-10-29
7> **
8> ** FILE: UNKNOWNCHANGES291091.SCRIPT
9> **
10> ** Changes in the Ship-Cruise Table
11> ** source. oth$daten:[socean.text]unknownchanges.text
12> **
13> ** Modifications:
14> ** 1991-10-29 "Prof. Viese" should be spelled as "Prof. Vieve"
15> **          Insert new ship "Investigator", "Australia"
16> **          "Discovery" is from "U.K."
17> **          Three new faulty relations corrected fo
18> **          Cruise_Numbers 9366, 9368, -629.
19> */
20> use SouthernOceanDB
1>
2> declare @smax int
3>
4> select @smax = max(Ship_Id#) from Ship where Ship_Id# < 100000
5> select @smax = @smax + 1
6> insert into Ship (Ship_Id#, Ship_Name, Country)
7> values (@smax, "Investigator", "Australia")
(1 row affected)
(1 row affected)
(1 row affected)
1>
2> exec changeShipNameAndCountryInCru
3> "unknown", "unknown", "Prof. Vieve", "USSR", 7660, 0
Update of unknown to Prof. Vieve successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Prof. Zubov", "USSR", 10186, 0
Update of unknown to Prof. Zubov successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Prof. Zubov", "USSR", 3494, 0
Update of unknown to Prof. Zubov successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Discovery", "U.K.", 55071, 0
Update of unknown to Discovery successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Yelcho", "Chile", 5367, 0
Update of unknown to Yelcho successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Edisto", "USA", 3482, 0
Update of unknown to Edisto successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Investigator", "Australia", 426, 0
Update of unknown to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Investigator", "Australia", 634, 0
Update of unknown to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Investigator", "Australia", 635, 0
Update of unknown to Investigator successful.
```

```
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Investigator", "Australia", 636, 0
Update of unknown to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Investigator", "Australia", 637, 0
Update of unknown to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Investigator", "Australia", 638, 0
Update of unknown to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Investigator", "Australia", 639, 0
Update of unknown to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Investigator", "Australia", 643, 0
Update of unknown to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Investigator", "Australia", 678, 0
Update of unknown to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Gascoyne", "Australia", 410, 0
Update of unknown to Gascoyne successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Yelcho", "Chile", 5371, 0
Update of unknown to Yelcho successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Chipana", "Chile", 5369, 0
Update of unknown to Chipana successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Prof. Zubov", "USSR", 14539, 0
Update of unknown to Prof. Zubov successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Myslitel", "USSR", 10341, 0
Update of unknown to Myslitel successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Prof. Vieze", "USSR", 4244, 0
Update of unknown to Prof. Vieze successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Melville", "USA", 11669, 0
Update of unknown to Melville successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "unknown", "unknown", "Myslitel", "USSR", -1192, 0
Update of unknown to Myslitel successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "Investigator", "India", "Investigator", "Australia", 9366, 0
Update of Investigator to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
2> "Investigator", "India", "Investigator", "Australia", 9368, 0
Update of Investigator to Investigator successful.
(return status = 0)
1> exec changeShipNameAndCountryInCru
```

```
2> "Investigator", "Canada", "Investigator", "Australia", -629, 0
Update of Investigator to Investigator successful.
(return status = 0)
```



```

1> /* Sybase script
2> **
3> ** Filename : Biomass.script .LOG
4> **
5> ** Author: L.-P. Kurdelski
6> **
7> ** Creation date : 1991-07-09
8> **
9> ** Modification History:
10> **
11> */
12> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "Biomass_Station_BCK")
3>     drop table Biomass_Station_BCK
1>
2> if exists (select * from sysobjects where name like "Biomass_Standard_Data_BC
3>     drop table Biomass_Standard_Data_BCK
1>
2> if exists (select * from sysobjects where name like "Biomass_Station")
3>     exec sp_rename Biomass_Station, Biomass_Station_BCK
Object name has been changed.
(return status = 0)
1>
2> if exists (select * from sysobjects where name like "Biomass_Standard_Data")
3>     exec sp_rename Biomass_Standard_Data, Biomass_Standard_Data_BCK
Object name has been changed.
(return status = 0)
1>
2> create table Biomass_Station
3>     (Biomass_Station_Id# int not null, /* internal identification */
4>     Cruise_Number int not null, /* for compatibility */
5>     Station_Number varchar(8) null, /* Biomass STATION */
6>     Longitude float not null, /* Biomass LONGITUDE */
7>     Latitude float not null, /* Biomass LATITUDE */
8>     Date Time datetime null, /* Biomass DATE */
9>     Marsden_Square# int null,
10>     Cruise_Name varchar(8) null) /* Biomass CRUISE */
1>
2> create table Biomass_Standard_Data
3>     (Biomass_Standard_Data_Id# int not null, /* internal identification
4>     Biomass_Station_Id# int not null, /* internal identification
5>     Depth int not null, /* Biomass DEPTH */
6>     PrDepth int not null, /* Biomass PRDEPTH */
7>     ObsType char (1) not null, /* Biomass OBSTYPE */
8>     DepthType char (1) not null, /* Biomass DEPTHTYPE */
9>     Temperature float null, /* Biomass TEMP */
10>     Salinity float null, /* Biomass SALINITY */
11>     Oxygen float null, /* Biomass OXYGEN */
12>     InPhos float null, /* Biomass INPHOS */
13>     Nitrite float null, /* Biomass NITRITE */
14>     Nitrate float null, /* Biomass NITRATE */
15>     Ammonium float null, /* Biomass AMMONIUM */
16>     Silicate float null, /* Biomass SILICATE */
17>     Ph float null, /* Biomass PH */
18>     Chloride float null, /* Biomass CHLORIDE */
19>     Chlorophyll_A float null, /* Biomass CHLOROPHYLL_A */
20>     Sigma_T float null, /* Biomass SIGMA_T */
21>     Sigma_T_Obs float null, /* Biomass SIGMA_T_OBS */
22>     Sound_Velocity float null, /* Biomass SOUND_VELOCITY */
23>     Dynamic_Height float null, /* Biomass DYNAMIC_HEIGHT */
24>     Sigma_Theta float null, /* Biomass SIGMA_THETA */
25>     Pot_Temp float null, /* Biomass */
26>     /* POTENTIAL TEMPERATURE */
27>     Spec_Vol_Anomaly float null, /* Biomass */
28>     /* SPEC_VOL_ANOMALY */

```

```
29>      Delta_D          float          null /* Biomass DELTA_D */)
1>
2> /*
3> ** Definition of primary keys
4> */
5> exec sp_primarykey Biomass_Station, Biomass_Station_Id#
6> exec sp_primarykey Biomass_Standard_Data, Biomass_Standard_Data_Id#
New primary key added.
(return status = 0)
New primary key added.
(return status = 0)
1>
2> /*
3> ** Definition of foreign keys
4> */
5> exec sp_foreignkey Biomass_Standard_Data, Biomass_Station,
6>                    Biomass_Station_Id#
New foreign key added.
(return status = 0)
1>
2> /*
3> ** Enter user
4> */
5> grant select on Biomass_Station to PHYSIK1
6> grant select on Biomass_Standard_Data to PHYSIK1
```

```
1> /* SHIPS_UPD050291
2> **
3> ** Sybase-Script made in by Lutz-Peter Kurdelski
4> **   AWI-Rechnergruppe
5> **
6> ** Changes of ship names in table Ship
7> ** - Some ships only defined by their NOCD code now receive
8> **   the correct name.
9> ** - One name has to be changed
10> **
11> ** FILE: SHIPS_UPD050291.SCRIPT . LOG
12> **
13> ** Modified 1991-08-29 by D. Hinz
14> **
15> */
16>
17> /* Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB
18> ** bereits existiert.
19> */
20> use master
1>
2> /* Erzeugen der Datenbank
3> **   Die Datenbank muss nicht mehr erzeugt werden.
4> */
5> if not exists (select * from master.dbo.sysdatabases
6>                where name = "SouthernOceanDB")
7> begin
8> print 'SouthernOceanDB does not exist !!!'
9> return
10> end
11>
12> use SouthernOceanDB
(0 rows affected)
1>
2> /* Beginn einer Transaction zwecks Fehlerbehebung */
3> begin transaction
1>
2> update Ship
3>   set Ship_Name = 'Goyena'
4>   where Ship_Name = 'Cayena'
(1 row affected)
1>
2> update Ship
3>   set Ship_Name = 'Billie',
4>       Ship_Code = 'A5N31'
5>   where Ship_Name = 'A5N31'
(1 row affected)
1>
2> update Ship
3>   set Ship_Name = 'Eldorado',
4>       Ship_Code = 'AEL31'
5>   where Ship_Name = 'AEL31'
(1 row affected)
1>
2> update Ship
3>   set Ship_Name = 'Goyena',
4>       Ship_Code = 'AGO 8'
5>   where Ship_Name = 'AGO 8'
(1 row affected)
1>
2> update Ship
3>   set Ship_Name = 'Idaho Standard',
4>       Ship_Code = 'AIS31'
5>   where Ship_Name = 'AIS31'
(1 row affected)
1>
```

```
2> update Ship
3>   set Ship_Name = 'Mihail Somov',
4>     Ship_Code = 'ASB90'
5>   where Ship_Name = 'ASB90'
(1 row affected)
1>
2> if @@error != 0
3>   rollback transaction
4> else
5>   commit transaction
```

```
1> /* SYBASE script by L.-P. Kurdelski
2> **
3> ** Inserting new Ship by presenting the Ship_Name,
4> ** the Country and the Cruise_Number
5> **
6> ** created 1991-08-28
7> **
8> ** FILE: INSERTSHIP.SCRIPT .LOG
9> */
10>
11> use master
1>
2> if not exists (select * from master.dbo.sysdatabases
3>     where name = "SouthernOceanDB")
4>     begin
5>         print 'SouthernOceanDB does not exist !!!'
6>         return
7>     end
(0 rows affected)
1>
2> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "insertShip")
3>     drop proc insertShip
1>
2> create proc insertShip ( @ship varchar(80),
3>     @country varchar(80),
4>     @cru int)
5>
6> as
7> /* SYBASE script by L.-P. Kurdelski
8> **
9> ** Inserting new Ship by presenting the Ship_Name,
10> ** the Country and the Cruise_Number
11> **
12> ** created 1991-08-28
13> **
14> ** FILE: INSERTSHIP.SCRIPT
15> */
16>     begin
17>         declare @shipid int,
18>             @msg varchar(80)
19>
20>         begin transaction
21>
22>         if exists (select Ship_Id#
23>             from Ship
24>             where Ship_Name like @ship)
25>             begin
26>                 select @shipid = (select Ship_Id#
27>                     from Ship
28>                     where Ship_Name like @ship)
29>             end
30>         else
31>             begin
32>                 select @shipid = (select max(Ship_Id#)
33>                     from Ship
34>                     where Ship_Id# < 100000)
35>
36>                 if @shipid is null
37>                     select @shipid = 1
38>             else
39>                 select @shipid = @shipid + 1
40>
41>             insert Ship
42>             values (@shipid, @ship, @country, NULL)
```

```
43>     end
44>
45>     insert Cruise values (@cru,@shipid)
46>
47>     select Cruise_Number, Ship from Aari_Cruise where Ship like @ship
48>
49>     print @msg
50>
51>     if @@error != 0
52>         begin
53>             rollback transaction
54>             select @msg = "ERROR: Nothing inserted"
55>         end
56>     else
57>         begin
58>             commit transaction
59>             select @msg = "Ship " + @ship + " and Cruise " +
60>                 convert(varchar(20),@cru) + " inserted"
61>         end
62>     print @msg
63> end
```

```
1> /*
2> ** SYBASE Script by L.-P. Kurdelski
3> **
4> ** FILE: INSERTSHIPCRUISE.SCRIPT . LOG
5> **
6> ** CREATED: 1991-03-27
7> **
8> ** MODIFIED: 1991-08-19      lpk      Procedures insert_into_cruise and
9> **                          insert_new_ships are created
10> **
11> */
12> if not exists (select * from sysobjects where name like "SouthernOceanDB")
13>   begin
14>     print "SouthernOceanDB not found"
15>     return
16>   end
(0 rows affected)
SouthernOceanDB not found
1>
2> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "tempships")
3>   drop table tempships
1>
2> create table tempships ( Id# int,
3>                          cn int,
4>                          ship varchar(80),
5>                          country varchar(80))
1>
2> if exists (select * from sysobjects where name like "insert_into_cruise")
3>   drop procedure insert_into_cruise
1>
2> create proc insert_into_cruise
3>   ( @cruisen int, @ship varchar(20), @scountry varchar(20))
4>   as
5> /* Creation of a stored procedure which inserts a Ship into the
6> ** Cruise table. The parameters are
7> **   cruisen      Cruise_Number
8> **   ship         Ship_Name
9> **   scountry     Country
10> **
11> ** The procedure looks for the right Ship_Id# of the Ship_Name
12> ** found in table Ship. Then the Ship_Id# and the Cruise_Number
13> ** will be inserted into the Cruise table.
14> **
15> */
16>   declare @sid int
17>
18>   select @sid = Ship_Id#
19>     from Ship
20>    where Ship_Name like @ship and
21>           Country like @scountry
22>
23>   if @sid is null
24>     begin
25>       select @sid = max(Ship_Id#) + 1
26>         from Ship
27>        where Ship_Id# < 100000
28>       insert into Ship values(@sid, @ship, @scountry, null)
29>     end
30>   insert into Cruise values (@cruisen, @sid)
1>
2> if exists (select * from sysobjects where name like "insert_new_ships")
3>   drop procedure insert_new_ships
1>
2> create proc insert_new_ships
```

```
3>      as
4> /*
5> ** insert ship from a table tempships into table Ship and
6> ** the pair Ship_id# and Cruise_Number# into Cruise.
7> ** This procedure requires the procedure insert_into_cruise
8> */
9>      declare @zaehler int,
10>             @cruisen int,
11>             @ship varchar(20),
12>             @scountry varchar(20),
13>             @m int
14>
15>      select @zaehler = 1
16>      select @m = max(Id#) from tempships
17>
18>      while @zaehler <= @m
19>      begin
20>          select @cruisen = cn,
21>                 @ship = ship,
22>                 @scountry = country
23>          from tempships
24>          where Id# = @zaehler
25>
26>          exec insert_into_cruise @cruisen, @ship, @scountry
27>
28>          select @zaehler = @zaehler+1
29>      end
```



```
1> /*
2> ** SYBASE script
3> **
4> ** Created: 1991-08-28 UPDATECRUISE.LOG
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> */
9> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "updateCruise")
3>     drop proc updateCruise
1>
2> create procedure updateCruise
3>     @cru int,
4>     @ship varchar(80),
5>     @country varchar(80)
6> as
7> /*
8> ** A relation between a ship and a cruise is updated
9> ** i.e. the ship id of the given ship is the replacement
10> ** for the ship id in the table due to the cruise number.
11> */
12> declare @s int
13>
14> begin
15>     select
16>         @s = Ship_Id#
17>         from
18>         Ship
19>         where
20>         Ship_Name like @ship and
21>         Country like @country
22>
23>     update Cruise
24>     set Ship_Id# = @s
25>     where Cruise_Number# = @cru
26> end
```

```
1> /*
2> ** Author: Jens Begemann
3>
4> ** Creation Date: 24.6.1990
5> ** Modification Date: 25.6.1990
6> **
7> ** File: updatecru24.script .LOG
8> **
9> ** Description: Changes in table Cruise
10> **      Ship_Id# of selected Cruise_Number# is changed according to
11> **      Ship_Id# of the table Ship where Ship_Name and Country
12> **      are unknown
13> */
14>
15> begin transaction
16>
17> update Cruise
18> set Ship_Id# = 1000000 where Cruise_Number# = 202
19>
20> update Cruise
21> set Ship_Id# = 1000000 where Cruise_Number# = 266
22>
23> update Cruise
24> set Ship_Id# = 1000000 where Cruise_Number# = 410
25>
26> update Cruise
27> set Ship_Id# = 1000000 where Cruise_Number# = 424
28>
29> update Cruise
30> set Ship_Id# = 1000000 where Cruise_Number# = 426
31>
32> update Cruise
33> set Ship_Id# = 1000000 where Cruise_Number# = 634
34>
35> update Cruise
36> set Ship_Id# = 1000000 where Cruise_Number# = 635
37>
38> update Cruise
39> set Ship_Id# = 1000000 where Cruise_Number# = 636
40>
41> update Cruise
42> set Ship_Id# = 1000000 where Cruise_Number# = 637
43>
44> update Cruise
45> set Ship_Id# = 1000000 where Cruise_Number# = 638
46>
47> update Cruise
48> set Ship_Id# = 1000000 where Cruise_Number# = 639
49>
50> update Cruise
51> set Ship_Id# = 1000000 where Cruise_Number# = 643
52>
53> update Cruise
54> set Ship_Id# = 1000000 where Cruise_Number# = 678
55>
56> update Cruise
57> set Ship_Id# = 1000000 where Cruise_Number# = 891
58>
59> update Cruise
60> set Ship_Id# = 1000000 where Cruise_Number# = 895
61>
62> update Cruise
63> set Ship_Id# = 1000000 where Cruise_Number# = 896
64>
65> update Cruise
66> set Ship_Id# = 1000000 where Cruise_Number# = 910
```

52>  
53> update Cruise  
54> set Ship\_Id# = 1000000 where Cruise\_Number# = 1078  
55>  
56> update Cruise  
57> set Ship\_Id# = 1000000 where Cruise\_Number# = 1393  
58>  
59> update Cruise  
60> set Ship\_Id# = 1000000 where Cruise\_Number# = 2102  
61>  
62> update Cruise  
63> set Ship\_Id# = 1000000 where Cruise\_Number# = 2157  
64>  
65> update Cruise  
66> set Ship\_Id# = 1000000 where Cruise\_Number# = 2162  
67>  
68> update Cruise  
69> set Ship\_Id# = 1000000 where Cruise\_Number# = 2326  
70>  
71> update Cruise  
72> set Ship\_Id# = 1000000 where Cruise\_Number# = 2968  
73>  
74> update Cruise  
75> set Ship\_Id# = 1000000 where Cruise\_Number# = 2970  
76>  
77> update Cruise  
78> set Ship\_Id# = 1000000 where Cruise\_Number# = 3020  
79>  
80> update Cruise  
81> set Ship\_Id# = 1000000 where Cruise\_Number# = 3070  
82>  
83> update Cruise  
84> set Ship\_Id# = 1000000 where Cruise\_Number# = 3359  
85>  
86> update Cruise  
87> set Ship\_Id# = 1000000 where Cruise\_Number# = 3482  
88>  
89> update Cruise  
90> set Ship\_Id# = 1000000 where Cruise\_Number# = 3494  
91>  
92> update Cruise  
93> set Ship\_Id# = 1000000 where Cruise\_Number# = 3927  
94>  
95> update Cruise  
96> set Ship\_Id# = 1000000 where Cruise\_Number# = 3958  
97>  
98> update Cruise  
99> set Ship\_Id# = 1000000 where Cruise\_Number# = 3995  
100>  
101> update Cruise  
102> set Ship\_Id# = 1000000 where Cruise\_Number# = 3996  
103>  
104> update Cruise  
105> set Ship\_Id# = 1000000 where Cruise\_Number# = 3997  
106>  
107> update Cruise  
108> set Ship\_Id# = 1000000 where Cruise\_Number# = 4031  
109>  
110> update Cruise  
111> set Ship\_Id# = 1000000 where Cruise\_Number# = 4063  
112>  
113> update Cruise  
114> set Ship\_Id# = 1000000 where Cruise\_Number# = 4231  
115>  
116> update Cruise  
117> set Ship\_Id# = 1000000 where Cruise\_Number# = 4244

118>  
119> update Cruise  
120> set Ship\_Id# = 1000000 where Cruise\_Number# = 4375  
121>  
122> update Cruise  
123> set Ship\_Id# = 1000000 where Cruise\_Number# = 4395  
124>  
125> update Cruise  
126> set Ship\_Id# = 1000000 where Cruise\_Number# = 4564  
127>  
128> update Cruise  
129> set Ship\_Id# = 1000000 where Cruise\_Number# = 4576  
130>  
131> update Cruise  
132> set Ship\_Id# = 1000000 where Cruise\_Number# = 4597  
133>  
134> update Cruise  
135> set Ship\_Id# = 1000000 where Cruise\_Number# = 4813  
136>  
137> update Cruise  
138> set Ship\_Id# = 1000000 where Cruise\_Number# = 4835  
139>  
140> update Cruise  
141> set Ship\_Id# = 1000000 where Cruise\_Number# = 4859  
142>  
143> update Cruise  
144> set Ship\_Id# = 1000000 where Cruise\_Number# = 5027  
145>  
146> update Cruise  
147> set Ship\_Id# = 1000000 where Cruise\_Number# = 5223  
148>  
149> update Cruise  
150> set Ship\_Id# = 1000000 where Cruise\_Number# = 5367  
151>  
152> update Cruise  
153> set Ship\_Id# = 1000000 where Cruise\_Number# = 5369  
154>  
155> update Cruise  
156> set Ship\_Id# = 1000000 where Cruise\_Number# = 5371  
157>  
158> update Cruise  
159> set Ship\_Id# = 1000000 where Cruise\_Number# = 5373  
160>  
161> update Cruise  
162> set Ship\_Id# = 1000000 where Cruise\_Number# = 5455  
163>  
164> update Cruise  
165> set Ship\_Id# = 1000000 where Cruise\_Number# = 5547  
166>  
167> update Cruise  
168> set Ship\_Id# = 1000000 where Cruise\_Number# = 5552  
169>  
170> update Cruise  
171> set Ship\_Id# = 1000000 where Cruise\_Number# = 5581  
172>  
173> update Cruise  
174> set Ship\_Id# = 1000000 where Cruise\_Number# = 5596  
175>  
176> update Cruise  
177> set Ship\_Id# = 1000000 where Cruise\_Number# = 5610  
178>  
179> update Cruise  
180> set Ship\_Id# = 1000000 where Cruise\_Number# = 6424  
181>  
182> update Cruise  
183> set Ship\_Id# = 1000000 where Cruise\_Number# = 6468

184>  
185> update Cruise  
186> set Ship\_Id# = 1000000 where Cruise\_Number# = 6525  
187>  
188> update Cruise  
189> set Ship\_Id# = 1000000 where Cruise\_Number# = 7660  
190>  
191> update Cruise  
192> set Ship\_Id# = 1000000 where Cruise\_Number# = 8683  
193>  
194> update Cruise  
195> set Ship\_Id# = 1000000 where Cruise\_Number# = 8755  
196>  
197> update Cruise  
198> set Ship\_Id# = 1000000 where Cruise\_Number# = 9230  
199>  
200> update Cruise  
201> set Ship\_Id# = 1000000 where Cruise\_Number# = 9443  
202>  
203> update Cruise  
204> set Ship\_Id# = 1000000 where Cruise\_Number# = 9689  
205>  
206> update Cruise  
207> set Ship\_Id# = 1000000 where Cruise\_Number# = 10109  
208>  
209> update Cruise  
210> set Ship\_Id# = 1000000 where Cruise\_Number# = 10167  
211>  
212> update Cruise  
213> set Ship\_Id# = 1000000 where Cruise\_Number# = 10186  
214>  
215> update Cruise  
216> set Ship\_Id# = 1000000 where Cruise\_Number# = 10279  
217>  
218> update Cruise  
219> set Ship\_Id# = 1000000 where Cruise\_Number# = 10282  
220>  
221> update Cruise  
222> set Ship\_Id# = 1000000 where Cruise\_Number# = 10291  
223>  
224> update Cruise  
225> set Ship\_Id# = 1000000 where Cruise\_Number# = 10341  
226>  
227> update Cruise  
228> set Ship\_Id# = 1000000 where Cruise\_Number# = 10350  
229>  
230> update Cruise  
231> set Ship\_Id# = 1000000 where Cruise\_Number# = 10422  
232>  
233> update Cruise  
234> set Ship\_Id# = 1000000 where Cruise\_Number# = 10522  
235>  
236> update Cruise  
237> set Ship\_Id# = 1000000 where Cruise\_Number# = 11319  
238>  
239> update Cruise  
240> set Ship\_Id# = 1000000 where Cruise\_Number# = 12031  
241>  
242> update Cruise  
243> set Ship\_Id# = 1000000 where Cruise\_Number# = 12220  
244>  
245> update Cruise  
246> set Ship\_Id# = 1000000 where Cruise\_Number# = 12864  
247>  
248> update Cruise  
249> set Ship\_Id# = 1000000 where Cruise\_Number# = 13968





biomass\_brandini.log

```

1> /*
2> ****
3> ** SYBASE script by D. Hinz, L.-P. Kurdelski
4> **
5> ** Creation date: 1991-07-22
6> **
7> ** Abstract: Inserting chlorophyll values for BIOMASS
8> **           from a source given by F. Brandini.
9> **           Preparing the insertion procedure.
10> **--
11> */
12> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "insertChlorophyllA")
3>   drop proc insertChlorophyllA
1>
2> create proc insertChlorophyllA
3>
4>   (@sn      varchar(8),      /*Station Number*/
5>    @d       int,            /*Depth*/
6>    @c_a     float           /*Chlorophyll_A*/
7>   )
8>
9> as
1>
11> begin
12>
13> declare
14>
15>   /*Tabelle Biomass_Station*/
16>
17>   @bsid     int,            /*Biomass_Station_Id#/
18>   @bsidd    int,            /*Biomass_Station_Id#/
19>   @cnu      int,            /*Cruise Number*/
20>   @lat      float,          /*Latitude*/
21>   @long     float,          /*Longitude*/
22>   @d_t      datetime,       /*Date Time*/
23>   @m_s      int,            /*Marsden Square#/
24>   @cna      varchar(8),     /*Cruise Name*/
25>
26>   /*Tabelle Biomass_Standard_Data*/
27>
28>   @bsdid    int,            /*Biomass_Standard_Data_Id#/
29>   @dd       int,            /*Depth*/
30>   @pd       int,            /*PrDepth*/
31>   @ot       char(1),        /*ObsType*/
32>   @dt       char(1),        /*DepthType*/
33>   @temp     float,          /*Temperature*/
34>   @sal      float,          /*Salinity*/
35>   @ox       float,          /*Oxygen*/
36>   @ip       float,          /*InPhos*/
37>   @ni       float,          /*Nitrite*/
38>   @na       float,          /*Nitrate*/
39>   @am       float,          /*Ammonium*/
40>   @si       float,          /*Silicate*/
41>   @ph       float,          /*PH*/
42>   @chl      float,          /*Chloride*/
43>   @c_aa     float,          /*Chlorophyll_A*/
44>   @st       float,          /*Sigma T*/
45>   @sto      float,          /*Sgma T Obs*/
46>   @s_v      float,          /*Sound Velocity*/
47>   @d_h      float,          /*Dynamic Height*/
48>   @sth      float,          /*Sigma Theta*/
49>   @p_t      float,          /*Pot Temp*/
50>   @sca      float,          /*Spec Col Anomaly*/
51>   @d_d      float           /*Delta_D*/

```



```

52>
53> select      @bsid = Biomass_Station_Id#,
54>      @cnu = Cruise_Number,
55>      @sn = Station_Number,
56>      @lat = Latitude,
57>      @long = Longitude,
58>      @d_t = Date_Time,
59>      @m_s = Marsden_Square#,
60>      @cna = Cruise_Name
61> from        Biomass_Station
62> where        Cruise_Name like "BES%"
63> and Station_Number like @sn
64> and Biomass_Station_Id# < 880000
65>
66> select      @bsdid = Biomass_Standard_Data_Id#,
67>      @bsidd = Biomass_Station_Id#,
68>      @dd = Depth, /*wird ersetzt!!!*/
69>      @pd = PrDepth,
70>      @ot = ObsType,
71>      @dt = DepthType,
72>      @temp = Temperature,
73>      @sal = Salinity,
74>      @ox = Oxygen,
75>      @ip = InPhos,
76>      @ni = Nitrite,
77>      @na = Nitrate,
78>      @am = Ammonium,
79>      @si = Silicate,
80>      @ph = PH,
81>      @chl = Chloride,
82>      @c_aa = Chlorophyll_A, /*wird ersetzt!!!*/
83>      @st = Sigma_T,
84>      @sto = Sigma_T_Obs,
85>      @s_v = Sound_Velocity,
86>      @d_h = Dynamic_Height,
87>      @sth = Sigma_Theta,
88>      @p_t = Pot_Temp,
89>      @sca = Spec_Col_Anomaly,
90>      @d_d = Delta_D
91> from        Biomass_Standard_Data
92> where        Biomass_Station_Id# = @bsid
93> and          Depth = @d
94> and Biomass_Standard_Data_Id# < 8800000
95>
96> select @bsid = @bsid + 80000
97> select @bsdid = @bsdid + 800000
98>
99> /*
100> **Die Stationen werden dupliziert und, mit einer neuen Kennung versehen,
101> **als neue Station eingefuegt. Dies geschieht aus Gruenden der
102> **Vollstaendigkeit. Diese Stationen koennen zu einem spaeteren Zeitpunkt
103> **wieder geloescht werden, wenn gekklaert ist, dass die Stationsdaten so
104> **belassen werden koennen.
105> */
106> if not exists
107> (select *
108>  from Biomass_Station
109>  where Biomass_Station_Id# = @bsid)
110> begin
111>  insert Biomass_Station
112>  (Biomass_Station_Id#,
113>   Cruise_Number,
114>   Station_Number,
115>   Latitude,
116>   Longitude,
117>   Date_Time,

```

```

118> Marsden_Square#,
119> Cruise_Name)
120> values (@bsid, @cnu, @sn, @lat, @long, @d_t, @m_s, @cna)
121> end
122> /*
123> **Die Daten werden dupliziert und, mit einer neuen Kennung versehen, als
124> **neuer Datensatz in die Tabelle eingefuegt. Dies geschieht, da die
125> **urspruenglichen Stationsdaten KEINE Chlorophyll A-Werte enthielten,
126> **aber die neuen Werte als zu den alten Station gehoerig betrachtet werden.
127> **zu einem spaeteren Zeitpunkt koennen diese Stationsdaten wieder geloescht
128> **werden, wenn die BIOMASS-Daten in der nun gueltigen Form gehalten
129> **werden sollen.
130> */
131> insert Biomass_Standard_Data
132> (Biomass_Standard_Data_Id#,
133> Biomass_Station_Id#,
134> Depth,
135> PrDepth,
136> ObsType,
137> DepthType,
138> Temperature,
139> Salinity,
140> Oxygen,
141> InPhos,
142> Nitrite,
143> Nitrate,
144> Ammonium,
145> Silicate,
146> PH,
147> Chloride,
148> Chlorophyll_A,
149> Sigma_T,
150> Sigma_T_Obs,
151> Sound_Velocity,
152> Dynamic_Height,
153> Sigma_Theta,
154> Pot_Temp,
155> Spec_Col_Anomaly,
156> Delta_D)
157> values (@bsdid, @bsid, @d, @pd, @ot, @dt, @temp, @sal, @ox, @ip,
158> @ni, @na, @am, @si, @ph, @chl, @c_a, @st, @sto, @s_v, @d_h,
159> @sth, @p_t, @sca, @d_d)
160>
161> end
1 >

```

```
1> /*
2> ** File: Muench_copy_all.script . LOG
3> */
4> use SouthernOceanDB
1> create procedure Muench_copy_all
2> as
3> /* Fill Station and Standard Data with Muench Data*/
4> /* L.-P. Kurdelski 1991-08-12 */
5> begin
6>
7> insert Station (Station_Id#, Cruise_Number, Station_Number,
8>     Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
9>     Number_Obse, Marsden_Square#)
10>   select Muench_Station_Id#, Cruise_Number, Station_Number,
11>     Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
12>     Number_Obse, Marsden_Square#
13> from Muench_Station
14>
15> insert Standard_Data (Standard_Data_Id#, Station_Id#,
16>     Depth, Temperature, Salinity)
17>   select Muench_Standard_Data_Id#, Muench_Station_Id#,
18>     Depth, Temperature, Salinity
19> from Muench_Standard_Data
20>
21> end
```

```
1> /* Script um missing Values auf NULL zu setzen
2> ** L.P. Kurdelski 1991-08-28
3> **
4> ** File: MUENCHLOAD_UPD.SCRIPT .LOG
5> **
6> ** Muench_Station
7> ** Muench_Standard_Data
8> */
9> use SouthernOceanDB
1> dump tran SouthernOceanDB with truncate_only
1> update Muench_Station
2> set Date_Time = NULL
3> where Date_Time="Jan 01 1900 00:00:00.0"
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Muench_Station
2> set Bottom_Depth = NULL
3> where Bottom_Depth = -9999
(208 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Muench_Standard_Data
2> set Temperature = NULL
3> where Temperature < -10.0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Muench_Standard_Data
2> set Salinity = NULL
3> where Salinity < 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Muench_Station
2> set Marsden_Square# = NULL
3> where Marsden_Square# = -9999
(208 rows affected)
1> dump tran SouthernOceanDB with truncate_only
```

```
1> /*
2> ** File: Biomass_copy_all.script .LOG
3> */
4> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "Biomass_copy_all")
3>     drop procedure Biomass_Copy_all
1>
2> create procedure Biomass_copy_all
3> as
4> /* Fill Station and Standard Data with Biomass Data*/
5> /* L.-P. Kurdelski 1991-08-12 */
6> begin
7>
8> insert Station (Station_Id#, Cruise Number,
9>     Date Time, Longitude, Latitude, Marsden_Square#)
10>     select Biomass_Station_Id#, Cruise Number,
11>     Date Time, Longitude, Latitude, Marsden_Square#
12> from Biomass_Station
13>
14> insert Standard_Data (Standard_Data_Id#, Station_Id#,
15>     Depth, Temperature, Salinity, Oxygen)
16> select Biomass_Standard_Data_Id#, Biomass_Station_Id#,
17>     Depth, Temperature, Salinity, Oxygen
18> from Biomass_Standard_Data
19>
20> end
```

```
1> /*
2> ** created by Jens Begemann
3>
4> ** Date: 24.6.91
5> ** modified : 25.6.91
6> **
7> ** File: updatecru24s,script .LOG
8> **
9> ** Description: Changes of table Cruise:
10> **          selected Cruise_Numbers get new Ship_Id#
11> **          changes of ships
12> */
13>
14>
15> begin transaction
1>
2> declare @sid int
3>
4> select @sid = Ship_Id# from Ship
5>          where Ship_Name like "Evrika"
6>
7> update Cruise
8> set Ship_Id# = @sid where Cruise_Number# = 42
(0 rows affected)
Msg 515, Level 16, State 3:
Server 'SYBASE401', Line 7:
Attempt to insert the value NULL into column 'Ship_Id#', table
'SouthernOceanDB.dbo.Cruise'; column does not allow nulls. Update
fails.
(0 rows affected)
1>
2> if @@error != 0
3>   begin
4>     rollback transaction
5>     print "rollback"
6>   end
7> else
8>   begin
9>     commit transaction
10>    print "commit"
11>  end
rollback
1>
2>
3> begin transaction
1>
2> declare @sid int
3>
4> select @sid = Ship_Id# from Ship
5>          where Ship_Name like "Babchisarai"
6>
7> update Cruise
8> set Ship_Id# = @sid where Cruise_Number# = 2501
(0 rows affected)
Msg 515, Level 16, State 3:
Server 'SYBASE401', Line 7:
Attempt to insert the value NULL into column 'Ship_Id#', table
'SouthernOceanDB.dbo.Cruise'; column does not allow nulls. Update
fails.
(0 rows affected)
1>
2> if @@error != 0
3>   begin
4>     rollback transaction
5>     print "rollback"
6>   end
```

```
7> else
8>   begin
9>     commit transaction
10>    print "commit"
11>   end
rollback
1>
2> begin transaction
1>
2> declare @sid int
3>
4> select @sid = Ship_Id# from Ship
5>    where Ship_Name like "Africana II"
6>
7> update Cruise
8> set Ship_Id# = @sid where Cruise_Number# = 5406
(1 row affected)
(1 row affected)
1>
2> if @@error != 0
3>   begin
4>     rollback transaction
5>     print "rollback"
6>   end
7> else
8>   begin
9>     commit transaction
10>    print "commit"
11>   end
commit
```

```
1> /* Sybase script
2> **
3> ** Filename : Biomass_UPD.script .LOG
4> **
5> ** Author: L.-P. Kurdelski
6> **
7> ** Creation date : 1991-07-09
8> **
9> ** Modification History:
10> **
11> ** 1991-08-01      lpk      Chlorophyll A for values less than
12> **                or equal to 0.0 set to NULL
13> **                Chlorophyll A values for cuise
14> **                ACS1 divided by 10
15> **                (Hint by F. Brandini)
16> ** 1991-07-15      lpk      illegal values for Temperature,
17> **                Salinity etc. i.e. values which
18> **                are not possible in nature in this cases
19> **
20> ** Update of illegal values in the database SouthernOceanDB
21> ** tables Biomass_Station and Biomass_Standard_Data. Illegal
22> ** values are stated by the number -9999.0. This is updated
23> ** to NULL.
24> **
25> */
26> use SouthernOceanDB
1>
2> update Biomass_Station
3> set Marsden_Square# = NULL
4> where Marsden_Square# = -9999
(841 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Station
3> set Date_Time = NULL
4> where Date_Time = "Jan 01 1900 00:00:00.0"
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Temperature = NULL
4> where Temperature = -9999
(1716 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Temperature = NULL
4> where Temperature < -9
(73 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Salinity = NULL
4> where Salinity = -9999
(506 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Salinity = NULL
4> where Salinity < 0
(1 row affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> /*
3> ** Hint from Mark Thorley, Biomass Data Centre
4> **
```



```
5> ** If there are Salinity values below 32 and above 0
6> ** and it seems that they are divided by factor 10
7> ** multiply them by 10 and it is ok.
8> */
9> update Biomass_Standard_Data
10> set Salinity = Salinity * 10
11> where Salinity < 30
(997 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Oxygen = NULL
4> where Oxygen = -9999
(16490 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Oxygen = NULL
4> where Oxygen < 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Nitrite = NULL
4> where Nitrite = -9999
(15700 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Nitrite = NULL
4> where Nitrite < 0
(11 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Nitrate = NULL
4> where Nitrate = -9999
(14607 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Nitrate = NULL
4> where Nitrate < 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Ammonium = NULL
4> where Ammonium = -9999
(19286 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Ammonium = NULL
4> where Ammonium < 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Silicate = NULL
4> where Silicate = -9999
(14598 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Silicate = NULL
```

```
4> where Silicate < 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Ph = NULL
4> where Ph = -9999
(19723 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Ph = NULL
4> where Ph < 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Chloride = NULL
4> where Chloride < 0
(20052 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Chlorophyll_A = NULL
4> where Chlorophyll_A = -9999
5> or Chlorophyll_A = 0.0
(17619 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Chlorophyll_A = Chlorophyll_A / 10.0
4> where Biomass_Station_Id# in
5>     (select Biomass_Station_Id#
6>      from Biomass_Station
7>      where Cruise_Name like "ACS1")
(906 rows affected)
1>
2> update Biomass_Standard_Data
3> set Chlorophyll_A = NULL
4> where Chlorophyll_A < 0
(6 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Sigma_T = NULL
4> where Sigma_T = -9999
(18470 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Sigma_T = NULL
4> where Sigma_T < 0
(1617 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Sigma_T_Obs = NULL
4> where Sigma_T_Obs = -9999
(15441 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Sigma_T_Obs = NULL
4> where Sigma_T_Obs < 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
```

```
1>
2> update Biomass_Standard_Data
3> set Sound_Velocity = NULL
4> where Sound_Velocity = -9999
(16876 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Sound_Velocity = NULL
4> where Sound_Velocity < 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Dynamic_Height = NULL
4> where Dynamic_Height = -9999
(9557 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Sigma_Theta = NULL
4> where Sigma_Theta = -9999
(4748 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Sigma_Theta = NULL
4> where Sigma_Theta < 0
(1 row affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Pot_Temp = NULL
4> where Pot_Temp = -9999
(4162 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Pot_Temp = NULL
4> where Pot_Temp < -9 /* !!!!! see log from 1991-07-15 */
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Spec_Vol_Anomaly = NULL
4> where Spec_Vol_Anomaly = -9999
(13505 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set Delta_D = NULL
4> where Delta_D = -9999
(19982 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set InPhos = NULL
4> where InPhos = -9999
(14608 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1>
2> update Biomass_Standard_Data
3> set InPhos = NULL
4> where InPhos < 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
```

```
1> /*
2> ** SYBASE script
3> **
4> ** FILE: add_ships_jare140491.script , LOG
5> **
6> ** CREATION: 1991-08-19      lpk
7> **
8> ** MODIFIED:
9> **
10> ** 1991-08-20      lpk      table tempships is only truncated
11> **
12> ** Two ships and eight cruises hould be inserted into ship and cruise
13> ** tables. First truncate table temptab then insert the ships into
14> ** temptab. Last use procedure insert_new_ships to insert ships into
15> ** cruise table.
16> */
17> if not exists (select * from sysobjects where name like "SouthernOceanDB")
18>   begin
19>     print "SouthernOceanDB not found"
20>     return
21>   end
(0 rows affected)
SouthernOceanDB not found
1>
2> use SouthernOceanDB
1>
2> if not exists (select * from sysobjects where name like "insert_into_cruise")
3>   begin
4>     print "procedure insert_into_cruise expected"
5>     return
6>   end
(0 rows affected)
1>
2> if not exists (select * from sysobjects where name like "insert_new_ships")
3>   begin
4>     print "procedure insert_new_ships expected"
5>     return
6>   end
(0 rows affected)
1>
2> if not exists (select * from sysobjects where name like "temptab")
3>   begin
4>     print "Table tempships does not exist."
5>     return
6>   end
(0 rows affected)
1>
2> /*
3> ** clean up tempships
4> */
5> truncate table tempships
1>
2> begin transaction
1>
2> /*
3> ** filling tempships with new ships
4> */
5>
6> declare @zaehler int
7>
8> select @zaehler = 1
9> insert tempships values(@zaehler, -25026, "Fuji", "Japan")
10> select @zaehler = @zaehler + 1
11> insert tempships values(@zaehler, -25027, "Fuji", "Japan")
12> select @zaehler = @zaehler + 1
13> insert tempships values(@zaehler, -25028, "Shirase", "Japan")
```

```
14> select @zaehler = @zaehler + 1
15> insert tempships values(@zaehler, -25029, "Shirase", "Japan")
16> select @zaehler = @zaehler + 1
17> insert tempships values(@zaehler, -25030, "Shirase", "Japan")
18> select @zaehler = @zaehler + 1
19> insert tempships values(@zaehler, -25031, "Shirase", "Japan")
20> select @zaehler = @zaehler + 1
21> insert tempships values(@zaehler, -25032, "Shirase", "Japan")
22> select @zaehler = @zaehler + 1
23> insert tempships values(@zaehler, -25033, "Shirase", "Japan")
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
1>
2> exec insert_new_ships
(return status = 0)
1>
2> if @@error != 0
3>   begin
4>     print "transaction aborted"
5>     rollback transaction
6>   end
7> else
8>   begin
9>     print "transaction successfull"
10>    commit transaction
11>   end
transaction successfull
1>
2> truncate table tempships
```

```
1> /*
2> ** SYBASE script
3> **
4> ** FILE: add_ships_jare140491.script , LOG
5> **
6> ** CREATION: 1991-08-19      lpk
7> **
8> ** MODIFIED:
9> **
10> ** 1991-08-20      lpk      table tempships is only truncated
11> **
12> ** Two ships and eight cruises hould be inserted into ship and cruise
13> ** tables. First truncate table temptab then insert the ships into
14> ** temptab. Last use procedure insert_new_ships to insert ships into
15> ** cruise table.
16> */
17> if not exists (select * from sysobjects where name like "SouthernOceanDB")
18>   begin
19>     print "SouthernOceanDB not found"
20>     return
21>   end
(0 rows affected)
SouthernOceanDB not found
1>
2> use SouthernOceanDB
1>
2> if not exists (select * from sysobjects where name like "insert_into_cruise")
3>   begin
4>     print "procedure insert_into_cruise expected"
5>     return
6>   end
(0 rows affected)
1>
2> if not exists (select * from sysobjects where name like "insert_new_ships")
3>   begin
4>     print "procedure insert_new_ships expected"
5>     return
6>   end
(0 rows affected)
1>
2> if not exists (select * from sysobjects where name like "temptab")
3>   begin
4>     print "Table tempships does not exist."
5>     return
6>   end
(0 rows affected)
1>
2> /*
3> ** clean up tempships
4> */
5> truncate table tempships
1>
2> begin transaction
1>
2> /*
3> ** filling tempships with new ships
4> */
5>
6> declare @zaehler int
7>
8> select @zaehler = 1
9> insert tempships values(@zaehler, -25026, "Fuji", "Japan")
10> select @zaehler = @zaehler + 1
11> insert tempships values(@zaehler, -25027, "Fuji", "Japan")
12> select @zaehler = @zaehler + 1
13> insert tempships values(@zaehler, -25028, "Shirase", "Japan")
```

```
14> select @zaehler = @zaehler + 1
15> insert tempships values(@zaehler, -25029, "Shirase", "Japan")
16> select @zaehler = @zaehler + 1
17> insert tempships values(@zaehler, -25030, "Shirase", "Japan")
18> select @zaehler = @zaehler + 1
19> insert tempships values(@zaehler, -25031, "Shirase", "Japan")
20> select @zaehler = @zaehler + 1
21> insert tempships values(@zaehler, -25032, "Shirase", "Japan")
22> select @zaehler = @zaehler + 1
23> insert tempships values(@zaehler, -25033, "Shirase", "Japan")
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
1>
2> exec insert_new_ships
(return status = 0)
1>
2> if @@error != 0
3>   begin
4>     print "transaction aborted"
5>     rollback transaction
6>   end
7> else
8>   begin
9>     print "transaction successfull"
10>    commit transaction
11>   end
transaction successfull
1>
2> truncate table tempships
```

```
1> /*
2> ** Dieses Script laedt die Cruise_Number aus der Tabelle
3> ** Aari Cruise_BCK sowie die entsprechende Ship_Id# aus
4> ** der Tabelle_Ship in die Tabelle Cruise.
5> **
6> ** FILE: aari_and_ship_to_cruise.script .LOG
7> **
8> ** creation date: 1991-08-21
9> **
10> ** author: D. Hinz
11> ** but it really works
12> */
13> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "aari_and_ship_to_cruise"
3> drop proc aari_and_ship_to_cruise
1>
2> create proc aari_and_ship_to_cruise
3> as
4> insert into Cruise (Cruise_Number#, Ship_Id#)
5> select Cruise_Number, Ship_Id#
6> from Ship s, Aari_Cruise_Bck a
7> where s.Ship_Name like a.Ship
8> and s.Country like a.Country
```



LOG-79

```
1> /*
2> ** SYBASE script
3> **
4> ** Creation: 1991-09-09
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: AARI_CRUISE_VIEW.SCRIPT .LOG
9> **
10> */
11> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "Aari_Cruise2")
3>     drop view Aari_Cruise2
1>
2> create view Aari_Cruise2 (Cruise_Number, Ship, Country)
3> as
4>     select c.Cruise_Number#, s.Ship_Name, s.Country
5>     from Ship s, Cruise c
6>     where s.Ship_Id# = c.Ship_Id#
1>
2> /*
3> ** grant or revoke access rights
4> */
5> grant select on Aari_Cruise2 to SOCEAN
```

LOG-80

```
1> /* SYBASE script by L.-P. Kurdelski
2> **
3> ** Inserting new Cruises to Cruise and Ship
4> ** from Kuropatkin Data
5> **
6> ** created 1991-08-28
7> **
8> ** FILE: ADD_KUROPATKIN_SHIPS.SCRIPT .LOG
9> */
10>
11> use master
1> if not exists (select * from master.dbo.sysdatabases
2>     where name = "SouthernOceanDB")
3> begin
4> print 'SouthernOceanDB does not exist !!!'
5> return
6> end
7>
8> use SouthernOceanDB
(0 rows affected)
1>
2> exec insertShip 'N.Kuropatkin', 'USSR', -23011
```

Ship N.Kuropatkin and Cruise -23011 inserted

Cruise_Number	Ship
---------------	------

-----  
-----  
(0 rows affected, return status = 0)

```
1> /*
2> ** SYBASE script
3> **
4> ** Created: 1991-08-29
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: changeShipNameInCruise.script .LOG
9> **
10> ** Change the ship ids in table Cruise due to the change
11> ** of name from old ship to new ship.
12> **
13> ** An old ship name, a new ship name and two cruise number are
14> ** used as parameters. If the second number is 0 then only the
15> ** first number is used (just as you expect). Otherwise both
16> ** numbers are used in a junction.
17> **
18> ** If both cruise numbers are 0 it is ok.
19> ** if the first cruise number is 0 and the second is not 0 this
20> ** is an error.
21> **
22> ** Summary
23> **   cru1      cru2      comment
24> **   0         0         change all ship_id for the old ship
25> **   !=0       0         ... only for cruise cru1
26> **   !=0       !=0       ... only for cruise cru1 and cru2
27> **
28> */
29> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "changeShipNameInCruise")
3>   drop proc changeShipNameInCruise
1>
2> create proc changeShipNameInCruise
3>   @oldShip varchar(40),
4>   @newShip varchar(40),
5>   @cru1 int,
6>   @cru2 int
7>
8> as
9>   begin
10> /*
11> ** Change the ship ids in table Cruise due to the change
12> ** of name from old ship to new ship.
13> **
14> ** An old ship name, a new ship name and two cruise number are
15> ** used as parameters. If the second number is 0 then only the
16> ** first number is used (just as you expect). Otherwise both
17> ** numbers are used in a junction.
18> **
19> ** If both cruise numbers are 0 it is ok.
20> ** if the first cruise number is 0 and the second is not 0 this
21> ** is an error.
22> **
23> ** Summary
24> **   cru1      cru2      comment
25> **   0         0         change all ship_id for the old ship
26> **   !=0       0         ... only for cruise cru1
27> **   !=0       !=0       ... only for cruise cru1 and cru2
28> **   0         !=0       illegal
29> */
30>   declare @sid int,
31>           @sidalt int,
32>           @msg varchar(80)
33>
34>   begin transaction
```

```

35>
36> select @sidalt = Ship_Id#
37> from Ship
38> where Ship_Name like @oldShip
39>
40> select @sid = Ship_Id#
41> from Ship
42> where Ship_Name like @newShip
43>
44> if @sid is null
45>     begin
46>         select @sid = Ship_Id#
47>         from Ship
48>         where Ship_Name like "unknown"
49>
50> select @msg = "Unknown ship inserted for " + @newShip
51> print @msg
52>     end
53>
54> if @cru2 = 0
55>     begin
56>     if @crul = 0
57>         begin
58>             update Cruise
59>             set Ship_Id# = @sid
60>             where Ship_Id# = @sidalt
61>         end
62>     else
63>         begin
64>             update Cruise
65>             set Ship_Id# = @sid
66>             where Ship_Id# = @sidalt and
67>             Cruise_Number# = @crul
68>         end
69>     end
70> else
71>     begin
72>     if @crul = 0
73>         begin
74>             print "ERROR: crul = 0 and cru2 != 0"
75>             rollback transaction
76>             return
77>         end
78>     else
79>         begin
80>             update Cruise
81>             set Ship_Id# = @sid
82>             where Ship_Id# = @sidalt and
83>             (Cruise_Number# = @crul or Cruise_Number# = @cru2)
84>         end
85>     end
86>
87> if @@error != 0
88>     begin
89>     rollback transaction
90>     select @msg = "ERROR occured during update of " + @oldShip
91>     end
92> else
93>     begin
94>     commit transaction
95>     select @msg = "Update of " + @oldShip + " to " + @newShip +
96>     " successful."
97>     end
98>     print @msg
99> end

```

```
1> /*
2> ** SYBASE script
3> **
4> ** Created: 1991-09-03
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: copy_gordon_ship_to_ship.script .LOG
9> **
10> */
11> use SouthernOceanDB
1>
2> exec copy_gordon_ship_to_ship
(return status = 0)
1> .
2> exec copy_gordon_cruise_to_cruise
(return status = 0)
```

LOG-84

LOG-85

```
1> /*
2> ** SYBASE script
3> **
4> ** Created: 1991-08-28
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: copy_gordon_ship_to_ship_proc.script , LOG
9> **
10> */
11> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "copy_gordon_ship_to_ship
3> drop proc copy_gordon_ship_to_ship
1>
2> if exists (select * from sysobjects where name like
3> "copy_gordon_cruise_to_cruise")
4> drop proc copy_gordon_cruise_to_cruise
1>
2> create procedure copy_gordon_ship_to_ship
3> as
4> /* Copy the Gordon_Ships and relations to the table Ship */
5> begin
6> insert into Ship (Ship_Id#, Ship_Name, Country, Ship_Code)
7> select s.Ship_Id#, s.Ship_Name, s.Country, s.Ship_Code
8> from Gordon_Ship s
9> end
1>
2> create procedure copy_gordon_cruise_to_cruise
3> as
4> /* Copy the Gordon_Ships and relations to the table Ship */
5> begin
6> insert into Cruise (Ship_Id#, Cruise_Number#)
7> select s.Ship_Id#, c.Gordon_Cruise_Id#
8> from Gordon_Ship s, Gordon_Cruise c
9> where s.Ship_Code like c.Ship_Code
10> end
```

```
1> /*
2> ** SYBASE script
3> **
4> ** Creator: L.-P. Kurdelski
5> **
6> ** Creation: 1991-09-02
7> **
8> ** FILE: HAINES_SHIPS020991.SCRIPT LOG
9> **
10> ** Adding ships and cruises due to Haines data to the
11> ** tables Ship and Cruise. The data are read from DBTEXT1.DAT
12> ** from V. Guretzky. Some checks marked that the cruise
13> ** numbers must be modified by adding 1099 to the cruise number.
14> */
15> use SouthernOceanDB
1>
2> if not exists (select * from sysobjects where name like "Ship")
3>   begin
4>     print "Table Ship not found"
5>     return
6>   end
(0 rows affected)
1>
2> if not exists (select * from sysobjects where name like "Cruise")
3>   begin
4>     print "Table Cruise not found"
5>     return
6>   end
(0 rows affected)
1>
2> /*
3> ** clean up tempships
4> */
5> truncate table tempships
1>
2> begin transaction
1>
2> declare @zaehler int
3>
4> select @zaehler = 0
5> /*
6> ** 1      54001      Westwind      USA
7> */
8> select @zaehler = @zaehler + 1
9> insert tempships values(@zaehler, 55100, "Westwind", "USA")
10> /*
11> ** 2      54002      Melville      USA
12> */
13> select @zaehler = @zaehler + 1
14> insert tempships values(@zaehler, 55101, "Melville", "USA")
15> /*
16> ** 3      54003      Melville      USA
17> */
18> select @zaehler = @zaehler + 1
19> insert tempships values(@zaehler, 55102, "Melville", "USA")
20> /*
21> ** 4      54004      Atlantis II   USA
22> */
23> select @zaehler = @zaehler + 1
24> insert tempships values(@zaehler, 55103, "Atlantis II", "USA")
25> /*
26> ** 5      54005      Thomas Washington USA
27> */
28> select @zaehler = @zaehler + 1
29> insert tempships values(@zaehler, 55104, "Thomas Washington", "USA")
30> /*
```





```
1> /*
2> ** SYBASE Script by L.-P. Kurdelski
3> **
4> ** FILE: NOWLIN_SHIPS.SCRIPT .LOG
5> **
6> ** CREATED: 1991-08-30
7> **
8> ** MODIFIED:
9> **
10> ** Insert new ships
11> ** The ships are taken from the Nowlin dataset.
12> */
13> if not exists (select * from sysobjects where name like "SouthernOceanDB")
14>   begin
15>     print "SouthernOceanDB not found"
16>     return
17>   end
(0 rows affected)
SouthernOceanDB not found
1>
2> use SouthernOceanDB
1>
2> if not exists (select * from sysobjects where name like "insert_into_cruise")
3>   begin
4>     print "Procedure inser_into_cruise missing."
5>     return
6>   end
(0 rows affected)
1>
2> if not exists (select * from sysobjects where name like "insert_new_ships")
3>   begin
4>     print "Procedure insert_new_ships missing."
5>     return
6>   end
(0 rows affected)
1>
2> if exists (select * from sysobjects where name like "tempships")
3>   begin
4>     truncate table tempships
5>   end
6> else
7>   begin
8>     print "No table tempships"
9>     return
1>   end
1>
2> declare @zaehler int
3>
4> select @zaehler = 0
5> select @zaehler = @zaehler + 1
6> insert tempships values(@zaehler, 54000, "Atlantis II", "USA")
7> select @zaehler = @zaehler + 1
8> insert tempships values(@zaehler, 54001, "Knorr", "USA")
9> select @zaehler = @zaehler + 1
10> insert tempships values(@zaehler, 54002, "AGO 8", "Argentina")
11> select @zaehler = @zaehler + 1
12> insert tempships values(@zaehler, 54003, "Atka", "USA")
13> select @zaehler = @zaehler + 1
14> insert tempships values(@zaehler, 54004, "Discovery II", "U.K.")
15> select @zaehler = @zaehler + 1
16> insert tempships values(@zaehler, 54005, "AHZ49", "Japan")
17> select @zaehler = @zaehler + 1
18> insert tempships values(@zaehler, 54006, "Melville", "USA")
19> select @zaehler = @zaehler + 1
20> insert tempships values(@zaehler, 54007, "A5N31", "USA")
21> select @zaehler = @zaehler + 1
```



```
(1 row affected)
(1 row affected)
1>
2> begin transaction
1>
2> exec insert_new_ships
(return status = 0)
1>
2> if @@error != 0
3>   begin
4>     print 'transaction aborted'
5>     rollback transaction
6>   end
7>   else
8>     begin
9>       print 'transaction successfull'
10>      commit transaction
11>    end
transaction successfull
1>
2> truncate table tempships
3> print "table tempships truncated"
table tempships truncated
```

```
1> /*
2> ** SYBASE script
3> **
4> ** FILE: unknown_ship.sript . LOG
5> **
6> ** CREATION: 1991-08-19 lpk
7> **
8> ** Insert the "unknown" ship into the ship table
9> */
10> if not exists (select * from sysobjects where name like "SouthernOceanDB")
11>   begin
12>     print "SouthernOceanDB not found"
13>     return
14>   end
(0 rows affected)
SouthernOceanDB not found
1>
2> use SouthernOceanDB
1>
2> insert Ship
3> values (1000000,"unknown","unknown",NULL)
(1 row affected)
```

```
1> /*
2> ** Sybase script
3> **
4> ** Written 1991-06-11 by Jens Begemann and L.-P. Kurdelski
5> **
6> ** Modified 1991-08-29 by D. Hinz and L.-P. Kurdelski
7> ** ( uebersichtlicher!)
8> **
9> ** old version: FILE UpdateShipCruise100691.script
10> ** new version: FILE UpdateShipCruise290891.script .LOG
11> **
12> ** Update of Ship and Cruise in SouthernOceanDB
13> **
14> ** Data from V. Guretzky
15> **
16> */
17>
18> /* assume SouthernOceanDB is available */
19> use SouthernOceanDB
1>
2> exec changeShipNameInCruise "Prof. Zubov", "Investigator", 643, 0
Update of Prof. Zubov to Investigator successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Prof. Zubov", "Gascoyne", 424, 0
Update of Prof. Zubov to Gascoyne successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Prof. Zubov", "Melville", 12031, -21814
Update of Prof. Zubov to Melville successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Prof. Zubov", "Edisto", 3482, 0
Update of Prof. Zubov to Edisto successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Prof. Zubov", "Hudson", 6468, 0
Update of Prof. Zubov to Hudson successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Prof. Zubov", "Carnegie", 1393, 0
Update of Prof. Zubov to Carnegie successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Prof. Zubov", "Hakuho_Maru", 5547, 0
Update of Prof. Zubov to Hakuho_Maru successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Kokar", "Ob", 0, 0
Update of Kokar to Ob successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Lesnoi", "Eltanin", -667, 0
Update of Lesnoi to Eltanin successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Walter Herwig", "Discovery II", -1123, 0
Update of Walter Herwig to Discovery II successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Dolphin", "Cap. Canepa", -1809, 0
Update of Dolphin to Cap. Canepa successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Atlantis", "Atlantis II", -180, 0
Update of Atlantis to Atlantis II successful.
```

```
(return status = 0)
1>
2> exec changeShipNameInCruise "Schwabenland", "Discovery II", -12, 0
Update of Schwabenland to Discovery II successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Kvant", "Salehard", -1117, 0
Update of Kvant to Salehard successful.
(return status = 0)
1>
2> declare @sid int,
3>           @sidalt int
4> select @sid = Ship_Id# from Ship where Ship_Name like "Gen. San-Martin"
5> select @sidalt = Ship_Id# from Ship
6>           where Ship_Name Like "unknown" and
7>                 Ship_Id# in (select Ship_Id# from Cruise
8>                               where Cruise_Number# = -1929)
9>
10> update Cruise
11> set Ship_Id# = @sid
12> where Ship_Id# = @sidalt and Cruise_Number# = -1929
(1 row affected)
(1 row affected)
(1 row affected)
1>
2> exec changeShipNameInCruise "Kiwi", "Tui", -21649, 0
Update of Kiwi to Tui successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Burton Island", "Anton Bruun", -816, 0
Update of Burton Island to Anton Bruun successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Africana II", "Natal", 5406, 0
Update of Africana II to Natal successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Poceidon", "Umitaka-Maru", -1934, 0
Update of Poceidon to Umitaka-Maru successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Mitory-Maru", "Eltanin", -1677, 0
Update of Mitory-Maru to Eltanin successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Atlantis II", "Atka", -180, 0
Update of Atlantis II to Atka successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Discovery II", "Discovery", -21137, 0
Update of Discovery II to Discovery successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Glacier", "Burton Island", 619, 0
Update of Glacier to Burton Island successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Adm. Moucheg", "Norvegia", -97, 0
Update of Adm. Moucheg to Norvegia successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Olonets", "Diamantina", 430, 0
Update of Olonets to Diamantina successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "Evrica", "Vityaz", 42, 0
```

Update of Evrica to Vityaz successful.  
(return status = 0)

1>

2> exec changeShipNameInCruise "Ushakov", "Slava", 9768, 0

Update of Ushakov to Slava successful.

(return status = 0)

1>

2> exec changeShipNameInCruise "Billie", "Discovery", 54007, 0

Update of Billie to Discovery successful.

(return status = 0)

```
1> /*
2> ** SYBASE script
3> **
4> ** Creation: 1991-09-06
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: UPDATE_SHIPS060991.SCRIPT.LOG
9> **
10> ** Spelling corrections
11> */
12> use SouthernOceanDB
1>
2> exec changeShipNameInCruise "AHZ49", "Fuji-Maru", 54005, 0
Update of AHZ49 to Fuji-Maru successful.
(return status = 0)
1>
2> update Ship
3> set Ship_Code = "AHZ49"
4> where Ship_Name like "Fuji-Maru"
5>   and Country like "Japan"
(1 row affected)
1>
2> delete Ship
3> where Ship_Name like "AHZ49"
4>   and Country like "Japan"
(1 row affected)
1>
2> exec changeShipNameInCruise "Anton", "Anton Bruun", -21047, 0
Update of Anton to Anton Bruun successful.
(return status = 0)
1>
2> delete Ship
3> where Ship_Name like "Anton"
4>   and Country like "USA"
(1 row affected)
1>
2> exec changeShipNameInCruise "Cascoyne", "Gascoyne", 3014, 0
Update of Cascoyne to Gascoyne successful.
(return status = 0)
1>
2> delete Ship
3> where Ship_Name like "Cascoyne"
4>   and Country like "Australia"
(1 row affected)
1>
2> update Ship
3> set Ship_Name = "Charoit"
4> where Ship_Name like "Charoi"
5>   and Country like "USSR"
(1 row affected)
1>
2> exec changeShipNameInCruise "Fuji", "Fuji-Maru", -25027, 0
Update of Fuji to Fuji-Maru successful.
(return status = 0)
1> exec changeShipNameInCruise "Fuji", "Fuji-Maru", -25026, 0
Update of Fuji to Fuji-Maru successful.
(return status = 0)
1> exec changeShipNameInCruise "Fuji", "Fuji-Maru", -25002, 0
Update of Fuji to Fuji-Maru successful.
(return status = 0)
1> exec changeShipNameInCruise "Fuji", "Fuji-Maru", -25001, 0
Update of Fuji to Fuji-Maru successful.
(return status = 0)
1> exec changeShipNameInCruise "Fuji", "Fuji-Maru", -25000, 0
Update of Fuji to Fuji-Maru successful.
```



```
(return status = 0)
1> delete Ship
2> where Ship_Name like "Fuji"
3>   and Country like "Japan"
(1 row affected)
1>
2> update Ship
3> set Ship_Name = "Prof. Vieze"
4> where Ship_Name like "Prof. Viese"
(1 row affected)
1>
2> update Ship
3> set Ship_Name = "Ranquel"
4> where Ship_Name like "Rambuel"
5>   and Country like "Argentina"
(1 row affected)
1>
2> exec changeShipNameInCruise "Ranonel", "Ranquel", 116, 0-
Update of Ranonel to Ranquel successful.
(return status = 0)
1>
2> delete Ship
3> where Ship_Name like "Ranonel"
4>   and Country like "Argentina"
(1 row affected)
1>
2> update Ship
3> set Ship_Name = "Yamana"
4> where Ship_Name like "Yamaha"
5>   and Country like "Argentina"
(1 row affected)
```

```
1> use SouthernOceanDB
1> /*
2> ** Insert triggers for table Station and Standard Data.
3> ** Special solution for updating the validation flags.
4> **
5> ** created: 1991-09-05
6> ** creator: l.-P. kurdelski
7> */
8> drop trigger UpdateStationTgr
1>
2> drop trigger UpdateStandard_DataTgr
1>
2> create trigger UpdateStationTgr
3> on Station for update
4> as
5> begin
6> if update (Station_Id#)
7> begin
8> print " Station_Id is not allowed to be updated!! Update aborted!"
9> rollback transaction
10> return
11> end
12> if (select count(*) from deleted)=0
13> begin
14> print " No rows found for update! Update aborted!"
15> rollback transaction
16> return
17> end
18> if not update(Validation_Flag)
19> begin
20> print "Validation Flag has also to be updated for documentation purposes!"
21> rollback transaction
22> return
23> end
24> insert into UpdateStation
25> select inserted.Station_Id#, inserted.Validation_Flag, getdate(), suser_id
26> from inserted
27> end
28>
1>
2> create trigger UpdateStandard_DataTgr
3> on Standard_Data for update
4> as
5> begin
6> if update (Standard_Data_Id#)
7> begin
8> print " Standard_Data_Id# is not allowed to be updated!! Update aborted"
9> rollback transaction
10> return
11> end
12> if (select count(*) from deleted)=0
13> begin
14> print "No rows selected !! Update aborted"
15> rollback transaction
16> return
17> end
18> if not exists (select * from Station s, inserted
19>                where s.Station_Id#=inserted.Station_Id#)
20> begin
21> print " No Station with the new Station_Id# exists! Update aborted!"
22> rollback transaction
23> return
24> end
25> if not update(Validation_Flag)
26> begin
27> print "Validation_Flag has also to be updated for documentation purposes!"
```

```
28>     rollback transaction
29>     return
30> end
31>     insert into UpdateData
32>     select deleted.Standard_Data_Id#,
33>            deleted.Station_Id#,
34>            inserted.Station_Id#,
35>            inserted.Validation_Flag,
36>            getdate(),
37>            suser_id()
38>     from inserted, deleted
39> end
40>
```

```
1> /*
2> ** biomass_brandini_2.script .LOG
3> **
4> ** Zum Einfuegen von Chlorophyll A-Werten in die
5> ** Biomass_Standard_Data der SouthernOceanDB
6> **
7> ** Autoren: D. Hinz, J. Begemann
8> ** Datum: 22-Juli-1991
9> */
10>
11> use SouthernOceanDB
1>
2> exec insertChlorophyllA "4458",0,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4458",23,0.22
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4458",50,0.16
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4458",100,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4458",150,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4459",0,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4459",20,0.16
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4459",50,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4460",0,0.06
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4460",25,0.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4460",50,0.07
data update successful
transaction committed
(return status = 0)
```

```
1>
2> exec insertChlorophyllA "4460",100,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4460",150,0.18
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4461",0,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4461",20,0.18
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4461",30,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4461",47,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4461",75,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4461",100,0.12
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4461",150,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4462",0,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4462",50,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4462",100,0.08
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4462",150,0.04
data update successful
transaction committed
(return status = 0)
1>
```

```
2> exec insertChlorophyllA "4463",30,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4463",39,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4463",75,0.29
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4463",100,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4463",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4464",0,0.49
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4464",10,0.45
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4464",50,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4464",100,0.16
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4465",0,0.45
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4465",15,0.50
data insert successfull
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4465",30,0.45
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4465",50,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4465",100,0.20
```

```
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4465",150,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4466",0,0.75
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4466",25,0.46
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4466",50,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4466",75,0.28
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4466",100,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4466",150,0.24
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4467",0,0.24
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4467",25,0.24
data insert successfull
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4467",50,0.22
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4467",75,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4467",100,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4467",125,0.06
data update successful
```

```
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4467",150,0.12
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4468",0,0.50
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4468",25,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4468",50,0.29
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4468",75,0.36
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4468",100,0.24
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4468",125,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4468",150,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4469",0,0.35
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4469",30,0.29
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4469",50,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4469",100,0.35
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4470",0,0.02
data update successful
transaction committed
```



```
(return status = 0)
1>
2> exec insertChlorophyllA "4470",30,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4470",75,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4470",100,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4470",150,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4471",0,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4471",25,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4471",50,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4471",75,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4471",100,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4471",125,0.00
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4471",150,0.00
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4472",0,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4472",10,0.01
data update successful
transaction committed
(return status = 0)
```

```
1>
2> exec insertChlorophyllA "4472",25,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4472",30,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4472",50,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4472",100,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4472",150,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4473",0,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4473",20,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4473",24,0.03
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4473",30,0.03
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4473",50,0.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4473",100,0.03
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4473",150,0.00
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4474",0,0.10
data update successful
transaction committed
(return status = 0)
1>
```

```
2> exec insertChlorophyllA "4474",28,0.13
data insert successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4474",50,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4474",100,0.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4474",150,0.31
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4475",0,0.20
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4475",23,0.91
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4475",50,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4475",100,0.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4475",150,0.06
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4476",0,0.16
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4476",10,0.29
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4476",20,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4476",30,0.31
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4476",50,0.21
```

```
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4476",100,0.29
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4476",150,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4477",0,1.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4477",25,0.42
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4477",50,0.20
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4477",100,0.20
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4477",150,0.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4478",0,0.56
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4478",20,0.31
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4478",25,0.39
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4478",50,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4478",100,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4480",0,0.45
data update successful
```

```
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4480",21,0.54
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4480",50,0.29
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4480",100,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4480",150,0.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4481",0,1.00
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4481",25,0.96
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4481",50,0.66
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4481",100,0.18
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4481",150,0.08
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4482",0,1.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4482",25,0.97
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4482",50,0.77
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4482",75,0.47
data update successful
transaction committed
```

```
(return status = 0)
1>
2> exec insertChlorophyllA "4482",100,0.31
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4483",0,1.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4483",10,1.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4483",20,1.69
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4483",50,0.70
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4483",100,0.33
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4483",150,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4484",0,0.88
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4484",30,1.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4484",50,0.33
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4484",100,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4484",150,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4485",0,0.82
data update successful
transaction committed
(return status = 0)
```

```
1>
2> exec insertChlorophyllA "4485",10,0.94
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4485",25,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4485",30,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4485",50,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4485",100,0.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4485",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4486",0,0.53
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4486",10,0.45
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4486",25,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4486",50,0.28
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4486",75,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4487",0,0.24
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4487",10,0.22
data update successful
transaction committed
(return status = 0)
1>
```

```
2> exec insertChlorophyllA "4487",20,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4487",30,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4487",50,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4487",75,0.24
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4488",0,0.16
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4488",25,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4488",50,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4488",100,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4488",150,0.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4489",0,0.08
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4489",10,0.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4489",25,0.03
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4489",30,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4489",50,0.07
```



```
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4489",100,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4489",150,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4490",0,0.78
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4490",25,0.70
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4490",50,0.37
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4490",100,0.28
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4490",150,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4491",0,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4491",25,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4491",50,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4491",100,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4491",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4492",0,0.22
data update successful
```

```
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4492",20,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4492",30,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4492",50,0.20
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4492",100,0.08
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4492",150,0.08
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4493",0,0.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4493",25,0.36
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4493",50,0.16
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4493",100,0.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4493",150,0.06
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4494",0,0.62
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4494",10,0.43
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4494",25,0.38
data update successful
transaction committed
```

```
(return status = 0)
1>
2> exec insertChlorophyllA "4494",50,0.33
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4494",75,0.70
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4494",100,0.28
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4494",150,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4495",0,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4495",50,0.33
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4495",100,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4495",150,0.24
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4496",0,0.31
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4496",20,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4496",30,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4496",100,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4496",150,0.24
data update successful
transaction committed
(return status = 0)
```

```
1>
2> exec insertChlorophyllA "4497",25,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4497",50,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4497",100,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4497",150,0,19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4498",0,0.18
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4498",25,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4498",50,0.24
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4498",100,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4498",150,0.20
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4499",0,0.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4499",24,0.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4499",50,0.35
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4499",100,0.48
data update successful
transaction committed
(return status = 0)
1>
```

```
2> exec insertChlorophyllA "4499",150,0.35
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4500",0,0.37
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4500",50,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4500",100,0.24
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4500",150,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4501",0,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4501",25,0.35
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4501",50,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4501",100,0.12
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4501",150,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4502",0,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4502",25,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4502",50,0.18
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4502",100,0.12
```

```
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4502",150,0.12
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4739",0,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4739",24,0.68
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4739",50,0.59
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4739",75,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4739",100,0.80
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4739",150,0.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4740",0,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4740",10,0.28
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4740",20,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4740",25,0.36
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4740",50,0.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4740",100,0.02
data update successful
```

```
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4740",150,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4741",0,0.42
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4741",22,0.42
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4741",50,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4741",75,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4741",100,0.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4741",150,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4742",0,0.55
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4742",10,0.55
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4742",25,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4742",50,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4742",75,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4742",100,0.23
data update successful
transaction committed
```

```
(return status = 0)
1>
2> exec insertChlorophyllA "4742",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4743",0,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4743",25,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4743",50,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4743",75,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4743",100,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4743",150,0.11
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4744",0,0.44
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4744",25,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4744",50,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4744",75,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4744",100,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4744",150,0.17
data update successful
transaction committed
(return status = 0)
```



```
1>
2> exec insertChlorophyllA "4745",0,0.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4745",10,0.59
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4745",30,0.55
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4745",50,0.46
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4745",75,0.55
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4745",100,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4745",150,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4746",0,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4746",25,0.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4746",50,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4746",75,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4746",100,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4746",150,0.06
data update successful
transaction committed
(return status = 0)
1>
```

```
2> exec insertChlorophyllA "4747",0,0.46
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4747",10,0.55
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4747",25,0.55
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4747",50,0.55
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4747",75,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4747",100,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4747",150,0.03
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4748",0,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4748",25,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4748",50,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4748",75,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4748",100,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4748",150,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4749",0,0.10
```

```
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4749",10,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4749",23,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4749",50,0.18
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4749",75,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4749",100,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4749",150,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4750",0,0.18
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4750",10,0.18
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4750",30,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4750",50,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4750",75,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4750",100,0.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4750",150,0.04
data update successful
```

```
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4751",0,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4751",10,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4751",23,0.12
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4751",50,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4751",75,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4751",100,0.06
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4751",150,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4752",0,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4752",10,0.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4752",30,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4752",50,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4752",75,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4752",100,0.05
data update successful
transaction committed
```

```
(return status = 0)
1>
2> exec insertChlorophyllA "4752",150,0.08
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4753",0,0.75
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4753",10,1.00
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4753",30,2.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4753",50,1.51
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4753",75,1.51
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4753",100,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4753",150,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4754",0,1.33
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4754",10,0.82
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4754",24,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4754",50,0.69
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4754",75,0.38
data update successful
transaction committed
(return status = 0)
```

```
1>
2> exec insertChlorophyllA "4754",100,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4754",150,0.08
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4755",0,0.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4755",10,0.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4755",25,0.50
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4755",50,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4755",75,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4755",100,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4755",150,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4756",0,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4756",10,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4756",25,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4756",50,0.44
data update successful
transaction committed
(return status = 0)
1>
```

```
2> exec insertChlorophyllA "4757",0,6.28
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4757",10,5.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4757",24,5.65
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4757",50,5.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4757",75,2.54
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4757",95,1.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4758",0,1.69
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4758",10,1.48
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4758",30,0.94
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4758",50,0.75
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4758",75,1.90
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4758",100,0.12
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4758",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4759",0,0.82
```

```
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4759",10,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4759",30,0.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4759",50,0.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4759",75,0.75
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4759",100,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4759",150,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4760",0,1.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4760",10,1.90
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4760",30,2.33
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4760",50,0.56
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4760",75,0.36
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4760",100,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4760",150,0.17
data update successful
```



```
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4761",0,1.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4761",10,0.88
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4761",30,1.50
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4761",50,1.51
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4761",75,0.88
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4761",100,0.56
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4761",150,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4762",0,37.68
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4762",10,31.40
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4762",25,31.40
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4762",50,10.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4762",75,1.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4762",100,1.26
data update successful
transaction committed
```

```
(return status = 0)
1>
2> exec insertChlorophyllA "4762",150,0.42
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4763",0,0.69
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4763",10,1.51
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4763",20,1.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4763",47,0.88
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4763",75,0.50
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4763",100,0.36
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4763",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4764",0,0.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4764",10,0.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4764",25,0.40
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4764",50,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4764",75,0.27
data update successful
transaction committed
(return status = 0)
```

```
1>
2> exec insertChlorophyllA "4764",100,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4765",0,9.40
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4765",10,3.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4765",24,3.81
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4765",50,4.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4765",75,11.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4765",100,1.00
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4765",150,0.76
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4766",0,26.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4766",10,28.26
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4766",25,24.32
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4766",50,6.77
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4766",75,2.26
data update successful
transaction committed
(return status = 0)
1>
```

```
2> exec insertChlorophyllA "4766",100,1.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4766",150,2.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4767",0,0.88
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4767",10,0.88
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4767",23,1.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4767",50,0.38
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4767",75,0.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4767",100,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4767",150,0.11
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4768",0,1.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4768",10,0.94
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4768",25,0.82
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4768",50,0.75
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4768",75,15.13
```

```
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4768",96,0.42
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4770",0,2.33
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4770",10,1.50
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4770",25,0.69
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4770",50,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4770",75,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4770",100,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4770",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4771",0,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4771",10,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4771",24,0.11
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4771",50,0.22
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4771",75,0.14
data update successful
```

```
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4771",100,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4771",150,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4772",0,0.34
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4772",10,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4772",25,0.14
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4772",50,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4772",75,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4772",100,0.11
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4772",150,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4773",0,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4773",10,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4773",22,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4773",50,0.10
data update successful
transaction committed
```

```
(return status = 0)
1>
2> exec insertChlorophyllA "4773",75,0.16
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4773",100,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4773",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4774",0,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4774",10,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4774",24,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4774",50,0.03
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4774",75,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4774",100,0.11
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4774",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4775",0,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4775",10,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4775",25,0.15
data update successful
transaction committed
(return status = 0)
```

```
1>
2> exec insertChlorophyllA "4775",48,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4775",100,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4775",150,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4776",0,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4776",10,0.12
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4776",23,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4776",50,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4776",75,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4776",100,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4776",150,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4777",0,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4777",10,0.11
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4777",25,0.08
data update successful
transaction committed
(return status = 0)
1>
```



```
2> exec insertChlorophyllA "4777",50,0.06
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4777",75,0.12
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4777",100,0.06
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4777",150,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4778",0,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4778",10,0.16
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4778",24,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4778",50,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4778",75,0.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4778",100,0.11
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4778",150,0.02
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4779",0,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4779",10,0.08
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4779",25,0.07
```

```
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4779",50,0.11
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4779",75,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4779",100,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4779",150,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4780",0,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4780",10,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4780",25,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4780",50,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4780",75,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4780",100,0.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4780",150,0.01
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4781",0,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4781",10,0.21
data update successful
```

```
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4781",24,0.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4781",50,0.23
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4781",75,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4781",100,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4781",150,0.05
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4782",0,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4782",10,0.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4782",24,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4782",50,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4782",75,0.19
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4782",100,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4782",150,0.09
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4783",0,1.00
data update successful
transaction committed
```

```
(return status = 0)
1>
2> exec insertChlorophyllA "4783",10,0.75
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4783",20,0.44
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4783",30,0.63
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4783",50,0.44
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4783",75,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4783",100,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4783",150,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4784",0,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4784",10,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4784",23,0.13
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4784",50,0.25
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4784",75,0.10
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4784",100,0.07
data update successful
transaction committed
(return status = 0)
```

```
1>
2> exec insertChlorophyllA "4784",150,0.03
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4785",0,0.30
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4785",10,0.88
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4785",25,1.00
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4785",50,0.44
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4785",75,0.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4785",100,0.15
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4785",150,0.44
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4786",0,0.50
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4786",10,0.21
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4786",25,0.17
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4786",50,0.27
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4786",75,0.17
data update successful
transaction committed
(return status = 0)
1>
```

```
2> exec insertChlorophyllA "4786",100,0.07
data update successful
transaction committed
(return status = 0)
1>
2> exec insertChlorophyllA "4786",150,0.03
data update successful
transaction committed
(return status = 0)
```

```

1> /*
2> **++
3> ** SYBASE script by D. Hinz, L.-P. Kurdelski
4> **
5> ** Creation date: 1991-07-22
6> **
7> ** FILE: BIOMASS_BRANDINI_UPD.SCRIPT .LOG
8> **
9> ** Abstract: Inserting chlorophyll values for BIOMASS
10> **          from a source given by F. Brandini.
11> **          Preparing the insertion procedure.
12> **
13> ** Modification history
14> **
15> ** 1991-08-05      lpk      no insertion of duplicated stations
16> **                no insertion of duplicated data
17> **                update of standard_data
18> **--
19> */
20> use SouthernOceanDB
21>
22> if exists (select * from sysobjects where name like "insertChlorophyllA")
23>     drop proc insertChlorophyllA
24>
25> create proc insertChlorophyllA
26>
27>     (@sn      varchar(8),      /*Station Number*/
28>      @d       int,            /*Depth*/
29>      @c_a     float           /*Chlorophyll_A*/
30>     )
31>
32> as
33>
34> begin
35>     declare
36>         @bsid  int,
37>         @bsdid int,
38>         @bsdidd int
39>
40> /*
41> **Die Daten werden dupliziert und, mit einer neuen Kennung versehen, als
42> **neuer datensatz in die Tabelle eingefuegt. Dies geschieht, da die
43> **urspruenglichen Stationsdaten KEINE Chlorophyll A-Werte enthielten,
44> **aber die neuen Werte als zu den alten Station gehoerig betrachtet werden.
45> **zu einem spaeteren Zeitpunkt koennen diese Stationsdaten wieder geloescht
46> **werden, wenn die BIOMASS-Daten in der nun gueltigen Form gehalten
47> **werden sollen.
48> */
49> /*
50> ** Waehle die Stations Id aus, die zu der gegebenen Stations_Number
51> ** gehoert.
52> */
53> begin transaction
54>
55> select @bsid = Biomass_Station_Id#
56> from Biomass_Station
57> where Station_Number like @sn
58> and Cruise_Name like "BES%"
59> /*
60> ** Wenn zu dieser Station und zur gegebenen Tiefe ein Datensatz existiert,
61> ** dann wird dieser Datensatz aktualisiert.
62> */
63> if exists
64>     (select Biomass_Standard_Data_Id#
65>      from Biomass_Standard_Data
66>      where Depth = @d

```

```

44>     and Biomass_Station_Id# = @bsid
45>     and Biomass_Standard_Data_Id# < 8800000)
46> begin
47>     select @bsdidd = Biomass_Standard_Data_Id#
48>     from Biomass_Standard_Data
49>     where Depth = @d
50>     and Biomass_Station_Id# = @bsid
51>     and Biomass_Standard_Data_Id# < 8800000
52>
53>     update Biomass_Standard_Data
54>     set Chlorophyll_A = @c_a
55>     where Biomass_Standard_Data_Id# = @bsdidd
56>
57>     print "data update successful"
58> end
59> else
60>     begin
61> /*
62> ** Ist dieser Datensatz nicht vorhanden, dann wird der Datensatz mit
63> ** der groessten Tiefe gesucht, die kleiner ist als die gegebenen Tiefe.
64> */
65>     select @bsdidd = Biomass_Standard_Data_Id#
66>     from Biomass_Standard_Data
67>     where Depth = (select max(Depth) from Biomass_Standard_Data
68>                    where Biomass_Station_Id# = @bsid
69>                    and Depth < @d)
70>     and Biomass_Station_Id# = @bsid
71>     and Biomass_Standard_Data_Id# < 8800000
72> /*
73> ** Da bereits ein Datensatz in dieser Form existieren kann,
74> ** muss auch bei den neu eingefuehrten Datensatzen geprueft
75> ** werden, ob die Tiefe hineinpasst.
76> */
77> /*
78> ** Wenn bereits ein Datensatz eingefuegt wurde,
79> ** dann nehme dessen Nummer und addiere 1 hinzu,
80> ** sonst nehme die urspruengliche Id und addiere
81> ** 800000 hinzu.
82> ** Das verfahren funktioniert, da die Tiefen in
83> ** aufsteigender Folge angeboten werden.
84> */
85>     if exists
86>     (select Biomass_Standard_Data_Id#
87>     from Biomass_Standard_Data
88>     where Depth = (select max(Depth) from Biomass_Standard_Data
89>                    where Biomass_Station_Id# = @bsid
90>                    and Depth < @d)
91>     and Biomass_Station_Id# = @bsid
92>     and Biomass_Standard_Data_Id# > 8800000)
93>     begin
94>     select @bsdidd = Biomass_Standard_Data_Id#
95>     from Biomass_Standard_Data
96>     where Depth = (select max(Depth) from Biomass_Standard_Data
97>                    where Biomass_Station_Id# = @bsid
98>                    and Depth < @d)
99>     and Biomass_Station_Id# = @bsid
100>     and Biomass_Standard_Data_Id# > 8800000
101>
102>     select @bsdidd = @bsdidd + 1
103>     end
104>     else
105>     begin
106>     select @bsdidd = @bsdidd + 800000
107>     end
108> /*
109> ** Dann fuege den neuen Datensatz hinzu.

```



```
110> */
111>   insert Biomass_Standard_Data
112>         (Biomass_Standard_Data_Id#,
113>          Biomass_Station_Id#,
114>          Depth,
115>          Chlorophyll_A,
116>          PrDepth,
117>          DepthType,
118>          ObsType)
119>   values(@bsdid,@bsid,@d,@c_a,@d,"-","-")
120>
121>   print "data insert successfull"
122> end
123> end
124>
125> if @@error = 0
126>   begin
127>     print "transaction committed"
128>     commit transaction
129>   end
130> else
131>   begin
132>     print "transaction rolled back"
133>     rollback transaction
134>   end
```

```
/*
** SYBASE script
** Creation: 1990-12-12 09!
** Creator: L.-P. Kurdelski
** FILE: COPY_AARI_TO_CRUISE.SCRIPT
**
*/
use SouthernOceanDB
go

if exists (select * from sysobjects where name like "Copy_Aari_To_Cruise")
    drop proc Copy_Aari_To_Cruise
go

create procedure Copy_Aari_To_Cruise
as
/** Copy the Cruise Number from Aari Cruise_Bck
*** and the Ship_Id# from Ship to table
*** Cruise
***
*** L.-P. Kurdelski 1990-12-12
*
    insert into Cruise
        select Cruise Number, Ship_Id#
        from Aari Cruise_Bck a, Ship s
        where a.Ship = s.Ship_Name
        and a.Country = s.Country
go
```

```
1> /*
2> ** biomass_brandini_upd2.script .LOG
3> **
4> ** Zum Einfuegen von Chlorophyll_A-Werten in die
5> ** Biomass_Standard_Data der SouthernOceanDB
6> **
7> ** Autoren: D. Hinz, J. Begemann
8> ** Datum: 22-Juli-1991
9> */
10>
11> use SouthernOceanDB
1> exec insertChlorophyllA "4465",15,0.50
data insert successfull
transaction committed
(return status = 0)
1> exec insertChlorophyllA "4467",25,0.24
data insert successfull
transaction committed
(return status = 0)
1> exec insertChlorophyllA "4474",28,0.13
data insert successfull
transaction committed
(return status = 0)
```

```
1> /*
2> ** SYASE Script
3> **
4> ** CREATED: 1991-10-08
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: ShipCruiseCorrection260891.script → SCC.LOG
9> **
10> */
11> use SouthernOceanDB
1>
2> begin transaction
1>
2> exec updateCruise 9890, "unknown", "unknown"
3> exec updateCruise 9768, "Ushakov", "USSR"
4> exec updateCruise 11669, "unknown", "unknown"
5> exec updateCruise 10589, "Prof. Zubov", "USSR"
6> exec updateCruise -22011, "Prof. Zubov", "USSR"
7> exec updateCruise 890, "unknown", "unknown"
8> exec updateCruise 619, "Glacier", "USA"
9> exec updateCruise 891, "unknown", "unknown"
10> exec updateCruise -667, "Lesnoi", "USSR"
11> exec updateCruise 4231, "unknown", "unknown"
12> exec updateCruise 10097, "unknown", "unknown"
13> exec updateCruise 608, "unknown", "unknown"
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
1>
2> if @@error != 0
3> begin
4> print "transaction rollback"
5> rollback transaction
6> end
7> else
8> begin
9> print "transaction commit"
10> commit transaction
11> end
transaction commit
```

Log-100

```
1> /*
2> ** SYASE Script
3> **
4> ** CREATED: 1991-10-08
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: ShipCruiseCorrection081091.script
9> **
10> */
11> use SouthernOceanDB
1>
2> begin transaction
1>
2> exec updateCruise -22013, "Prof. Vieze", "USSR"
(return status = 0)
1>
2> if @@error != 0
3>   begin
4>     print "transaction rollback"
5>     rollback transaction
6>   end
7> else
8>   begin
9>     print "transaction commit"
10>    commit transaction
11>   end
transaction commit
```

→ SCC081091.LOG

Log-101

```
1> /*
2> ** SYBASE Script
3> **
4> ** CREATED: 1991-10-08
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: insertCruise081091.script
9> **
10> */
11> use SouthernOceanDB
1>
2> exec insert_into_cruise 55071, "unknown", "unknown"
(return status = 0)
```

Log-102

```
1> /*
2> ** SYBASE Script
3> **
4> ** CREATED: 1991-10-08
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: updateunknownship.script
9> **
10> */
11> use SouthernOceanDB
1>
2> begin transaction
1>
2> update Cruise
3> set Ship_Id# = 1000000
4> where Ship_Id# in (select Ship_Id#
5>                    from Ship
6>                    where Ship_Name like "unknown"
7>                    and Country like "unknown"
8>                    and Ship_Id# < 1000000)
(27 rows affected)
1>
2> if @@error != 0
3>   begin
4>     rollback transaction
5>     print "No update"
6>   end
7> else
8>   begin
9>     commit transaction
10>    print "Unknown ships updated"
11>   end
Unknown ships updated
```

```
1> /*
2> ** Sybase Script
3> **
4> ** CREATED: 1991-10-08
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: ARGENTINE.SCRIPT
9> */
10> /* Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB */
11> /* bereits existiert. */
12> use master
1> /* Erzeugen der Datenbank */
2> /* Die Datenbank muss nicht mehr erzeugt werden. */
3> if not exists (select * from master.dbo.sysdatabases
4>                where name = "SouthernOceanDB")
5> begin
6> print 'SouthernOceanDB does not exist !!!'
7> return
8> end
9>
10> use SouthernOceanDB
(0 rows affected)
1>
2> /* Erzeugen der Tabellen */
3> if exists (select * from sysobjects where name="Argentine_Station")
4> drop table Argentine_Station
1>
2> create table Argentine_Station
3>     (Argentine_Station_Id# int,          /* internal identification */
4>      Cruise_Number         int,         /* Argentine nc */
5>      Station_Number        int,         /* Argentine ns */
6>      Longitude              float,      /* Argentine ongitude */
7>      Latitude               float,      /* Argentine atitude */
8>      Date_Time              datetime NULL,
9>                                     /* Argentine nyear nmonth nda nho */
10>      Bottom_Depth          int NULL, /* Argentine nde */
11>      Max_Obse_Depth        int NULL, /* Argentine mode */
12>      Number_Obse           int,         /* Argentine hz */
13>      Marsden_Square#       int NULL /* Argentine msq */)
1>
2> if exists (select * from sysobjects where name="Argentine_Standard_Data")
3> drop table Argentine_Standard_Data
1>
2> create table Argentine_Standard_Data
3>     (Argentine_Standard_Data_Id# int,          /* internal identification */
4>      Argentine_Station_Id# int,              /* internal identification */
5>      Depth int,                             /* Argentine zst */
6>      Temperature float NULL,               /* Argentine tst */
7>      Salinity float NULL,                  /* Argentine sst */
8>      Oxygen float NULL                      /* Argentine oxst */)
9>
1>
2> /* Definition der Primaerschlüssel in den Tabellen */
3>
4> execute sp_primarykey Argentine_Station, Argentine_Station_Id#
5> execute sp_primarykey Argentine_Standard_Data, Argentine_Standard_Data_Id#
New primary key added.
(return status = 0)
New primary key added.
(return status = 0)
1>
2> /* Definition der Sekundaerschlüssel in den Tabellen */
3>
4> execute sp_foreignkey Argentine_Standard_Data, Argentine_Station,
5>      Argentine_Station_Id#
```



New foreign key added.

(return status = 0)

1>

2> /\* Erzeugen der Views \*/

3> /\* Erzeugen der Prozeduren \*/

4>

5> /\* Eintragen der Nutzer \*/

6> grant select on Argentine\_Station to PHYSIK1

1>

2> grant select on Argentine\_Standard\_Data to PHYSIK1

Log - 104

```
1> /*
2> ** SYBASE Script
3> **
4> ** Created 1991-10-29
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: ARGENTINELOAD_COPY.SCRIPT
9> */
10> use SouthernOceanDB
1>
2> if @@error != 0
3> begin
4>     print 'Fehler beim Oeffnen der Datenbank.'
5>     return
6> end
1>
2> if exists (select * from sysobjects where name like "Argentine_copy_all")
3>     drop procedure Argentine_copy_all
1>
2> create procedure Argentine_copy_all
3> as
4> /* Fill Station and Standard Data with Argentine Data*/
5> /* L.-P. Kurdelski 1991-10-28 */
6> begin
7>
8> insert Station (Station_Id#, Cruise_Number, Station_Number,
9>     Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
10>     Number_Obse, Marsden_Square#)
11>     select Argentine_Station_Id#, Cruise_Number, Station_Number,
12>         Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
13>         Number_Obse, Marsden_Square#
14> from Argentine_Station
15>
16> insert Standard_Data (Standard_Data_Id#, Station_Id#,
17>     Depth, Temperature, Salinity, Oxygen)
18> select Argentine_Standard_Data_Id#, Argentine_Station_Id#,
19>     Depth, Temperature, Salinity, Oxygen
20> from Argentine_Standard_Data
21>
22> end
1>
2> execute Argentine_copy_all
(return status = 0)
```

```

1> /*
2> ** Sybase Script
3> **
4> ** CREATED: 1991-11-11
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: AWI.SCRIPT
9> */
10> /* Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB */
11> /* bereits existiert. */
12> use master
1> /* Erzeugen der Datenbank */
2> /* Die Datenbank muss nicht mehr erzeugt werden. */
3> if not exists (select * from master.dbo.sysdatabases
4>                where name = "SouthernOceanDB")
5> begin
6> print 'SouthernOceanDB does not exist !!!'
7> return
8> end
9>
10> use SouthernOceanDB
(0 rows affected)
1>
2> /* Erzeugen der Tabellen */
3> if exists (select * from sysobjects where name="AWI_Station")
4> drop table AWI_Station
1>
2> create table AWI_Station
3>     (AWI_Station_Id# int,          /* internal identification */
4>     Cruise_Number   int,          /* AWI nc */
5>     Station_Number  int,          /* AWI ns */
6>     Longitude       float,        /* AWI ongitude */
7>     Latitude        float,        /* AWI atitude */
8>     Date_Time       datetime NULL,
9>                                     /* AWI nyear nmonth nda nho */
10>     Bottom_Depth   int NULL, /* AWI nde */
11>     Max_Obse_Depth int NULL, /* AWI mode */
12>     Number_Obse    int,          /* AWI nz */
13>     Number_Standard_Levels int, /* AWI nsl */
14>     Marsden_Square# int NULL /* AWI msq */)
1>
2> if exists (select * from sysobjects where name="AWI_Standard_Data")
3> drop table AWI_Standard_Data
1>
2> create table AWI_Standard_Data
3>     (AWI_Standard_Data_Id# int,    /* internal identification */
4>     AWI_Station_Id# int,          /* internal identification */
5>     Depth           int,          /* AWI zst */
6>     Temperature    float NULL,   /* AWI tst */
7>     Salinity       float NULL    /* AWI sst */)
8>
1>
2> /* Definition der Primaerschlüssel in den Tabellen */
3>
4> execute sp_primarykey AWI_Station, AWI_Station_Id#
5> execute sp_primarykey AWI_Standard_Data, AWI_Standard_Data_Id#
New primary key added.
(return status = 0)
New primary key added.
(return status = 0)
1>
2> /* Definition der Sekundaerschlüssel in den Tabellen */
3>
4> execute sp_foreignkey AWI_Standard_Data, AWI_Station,
5>     AWI_Station_Id#

```

```
New foreign key added.  
(return status = 0)  
1>  
2> /* Erzeugen der Views */  
3> /* Erzeugen der Prozeduren */  
4>  
5> /* Eintragen der Nutzer */  
6> grant select on AWI_Station to PHYSIK1  
1>  
2> grant select on AWI_Standard_Data to PHYSIK1
```

Log-106

```
1> /*
2> ** SYBASE script
3> **
4> ** CREATOR: L.-P. Kurdelski
5> **
6> ** CREATIONDATE: 1991-11-06
7> **
8> ** FILE: REBUILD_ARGENTINE.SCRIPT
9> **
10> ** Deleting Argentine data from Station and Standard_Data
11> ** and preparing the tables Argentine_Station and
12> ** Argentine_Standard_Data for reload.
13> */
14> use SouthernOceanDB
1>
2> declare @maxs int,
3>         @mins int
4>
5> /*select @maxs = max(Argentine_Station_Id#),
6> **      @mins = min(Argentine_Station_Id#)
7> **from Argentine_Station
8> */
9> select @maxs = 3005000
10> select @mins = 3000000
11>
12> delete
13> from Station
14> where Station_Id# between @mins and @maxs
15>
16> print "Station deleted (Data delete via trigger)"
(1 row affected)
(1 row affected)
Records in tables Station and Standard_Data deleted!
(4744 rows affected)
Station deleted (Data delete via trigger)
1>
2> truncate table Argentine_Station
1>
2> truncate table Argentine_Standard_Data
1>
2> print "DONE"
DONE
```

```

1> /*
2> ** SYBASE script
3> **
4> ** Created: 1991-08-29
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: changeShipNameAndCountryInCruise.script
9> **
10> ** Change the ship ids in table Cruise due to the change
11> ** of name from old ship to new ship.
12> **
13> ** An old ship name, a new ship name and two cruise number are
14> ** used as parameters. If the second number is 0 then only the
15> ** first number is used (just as you expect). Otherwise both
16> ** numbers are used in a junction.
17> **
18> ** If both cruise numbers are 0 it is ok.
19> ** if the first cruise number is 0 and the second is not 0 this
20> ** is an error.
21> **
22> ** Summary
23> **   cru1   cru2   comment
24> **   0       0     change all ship_id for the old ship
25> **   !=0     0     ... only for cruise cru1
26> **   !=0     !=0   ... only for cruise cru1 and cru2
27> **
28> */
29> use SouthernOceanDB
1>
2> if exists (select * from sysobjects
3>           where name like "changeShipNameAndCountryInCru")
4>   drop proc changeShipNameAndCountryInCru
1>
2> create proc changeShipNameAndCountryInCru
3>   @oldShip varchar(40),
4>   @oldCountry varchar(40),
5>   @newShip varchar(40),
6>   @newCountry varchar(40),
7>   @cru1 int,
8>   @cru2 int
9>
10> as
11> begin
12> /*
13> ** Change the ship ids in table Cruise due to the change
14> ** of name from old ship to new ship.
15> **
16> ** An old ship name, an old country name, a new ship name,
17> ** a new country name, and two cruise number are
18> ** used as parameters. If the second number is 0 then only the
19> ** first number is used (just as you expect). Otherwise both
20> ** numbers are used in a junction.
21> **
22> ** If both cruise numbers are 0 it is ok.
23> ** if the first cruise number is 0 and the second is not 0 this
24> ** is an error.
25> **
26> ** Summary
27> **   cru1   cru2   comment
28> **   0       0     change all ship_id for the old ship
29> **   !=0     0     ... only for cruise cru1
30> **   !=0     !=0   ... only for cruise cru1 and cru2
31> **   0       !=0   illegal
32> */
33> declare @sid int,

```

```

34>         @sidalt int,
35>         @msg varchar(80)
36>
37>     begin transaction
38>
39>     select @sidalt = Ship_Id#
40>     from Ship
41>     where Ship_Name like @oldShip
42>           and Country like @oldCountry
43>
44>     select @sid = Ship_Id#
45>     from Ship
46>     where Ship_Name like @newShip
47>           and Country like @newCountry
48>
49>     if @sidalt is null
50>     begin
51>         select @msg = "Old ship '"+@oldShip+" '"+@oldCountry+"' not found"
52>         print @msg
53>         return
54>     end
55>
56>     if @sid is null
57>     begin
58>         select @sid = max(Ship_Id#) + 1
59>         from Ship
60>         where Ship_Id# < 100000
61>
62>         insert Ship values (@sid,@newShip,@newCountry,NULL)
63>     end
64>
65>     if @cru2 = 0
66>     begin
67>         if @cru1 = 0
68>         begin
69>             update Cruise
70>             set Ship_Id# = @sid
71>             where Ship_Id# = @sidalt
72>         end
73>     else
74>     begin
75>         update Cruise
76>         set Ship_Id# = @sid
77>         where Ship_Id# = @sidalt and
78>             Cruise_Number# = @cru1
79>     end
80>     end
81>     else
82>     begin
83>         if @cru1 = 0
84>         begin
85>             print "ERROR: cru1 = 0 and cru2 != 0"
86>             rollback transaction
87>             return
88>         end
89>     else
90>     begin
91>         update Cruise
92>         set Ship_Id# = @sid
93>         where Ship_Id# = @sidalt and
94>             (Cruise_Number# = @cru1 or Cruise_Number# = @cru2)
95>     end
96>     end
97>
98>     if @@error != 0
99>     begin

```

```
100> rollback transaction
101> select @msg = "ERROR occurred during update of " + @oldShip
102>     end
103>     else
104>         begin
105>             commit transaction
106>             select @msg = "Update of " + @oldShip + " to " + @newShip +
107>                 " successful."
108>         end
109>         print @msg
110>     end
```



Log-108

```
1> /*
2> ** Sybase Script
3> **
4> ** CREATED: 1991-10-08
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: SCHLITZER.SCRIPT
9> */
10> /* Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB */
11> /* bereits existiert. */
12> use master
1> /* Erzeugen der Datenbank */
2> /* Die Datenbank muss nicht mehr erzeugt werden. */
3> if not exists (select * from master.dbo.sysdatabases
4>                where name = "SouthernOceanDB")
5> begin
6> print 'SouthernOceanDB does not exist !!!'
7> return
8> end
9>
10> use SouthernOceanDB
(0 rows affected)
1>
2> /* Erzeugen der Tabellen */
3> if exists (select * from sysobjects where name="Schlitzer_Station")
4> drop table Schlitzer_Station
1>
2> create table Schlitzer_Station
3>     (Schlitzer_Station_Id# int,          /* internal identification */
4>      Cruise_Number         int,         /* Schlitzer nc */
5>      Station_Number        int,         /* Schlitzer ns */
6>      Longitude              float,      /* Schlitzer ongitude */
7>      Latitude               float,      /* Schlitzer atitude */
8>      Date_Time              datetime NULL,
9>                                     /* Schlitzer nyear nmonth nda nho */
10>      Bottom_Depth          int NULL, /* Schlitzer nde */
11>      Max_Obse_Depth        int NULL, /* Schlitzer mode */
12>      Number_Obse           int,        /* Schlitzer hz */
13>      Marsden_Square#       int NULL /* Schlitzer msq */)
1>
2> if exists (select * from sysobjects where name="Schlitzer_Standard_Data")
3> drop table Schlitzer_Standard_Data
1>
2> create table Schlitzer_Standard_Data
3>     (Schlitzer_Standard_Data_Id# int,    /* internal identification */
4>      Schlitzer_Station_Id#         int,  /* internal identification */
5>      Depth                          int,  /* Schlitzer zst */
6>      Temperature                     float NULL, /* Schlitzer tst */
7>      Salinity                         float NULL, /* Schlitzer sst */
8>      Oxygen                           float NULL, /* Schlitzer oxst */
9>      Phosphate                        float NULL,
10>      Silicate                         float NULL,
11>      Nitrate                          float NULL )
1>
2> /* Definition der Primaerschlüssel in den Tabellen */
3>
4> execute sp_primarykey Schlitzer_Station, Schlitzer_Station_Id#
5> execute sp_primarykey Schlitzer_Standard_Data, Schlitzer_Standard_Data_Id#
New primary key added.
(return status = 0)
New primary key added.
(return status = 0)
1>
2> /* Definition der Sekundaerschlüssel in den Tabellen */
3>
```

```
4> execute sp_foreignkey Schlitzer_Standard_Data, Schlitzer_Station,
5>     Schlitzer_Station_Id#
New foreign key added.
(return status = 0)
1>
2> /* Erzeugen der Views */
3> /* Erzeugen der Prozeduren */
4>
5> /* Eintragen der Nutzer */
6> grant select on Schlitzer_Station to PHYSIK1
1>
2> grant select on Schlitzer_Standard_Data to PHYSIK1
```

```
1> /*
2> ** SYBASE Script
3> **
4> ** Created: 1991-10-09
5> **
6> ** Creator: L.P. Kurdelski
7> **
8> ** FILE: SchlitzerLOAD_UPD.SCRIPT
9> **
10> ** Script um missing Values auf NULL zu setzen
11> **
12> ** Schlitzer_Station
13> ** Schlitzer_Standard_Data
14> */
15> use SouthernOceanDB
1> dump tran SouthernOceanDB with truncate_only
1> update Schlitzer_Station
2> set Date_Time = NULL
3> where Date_Time="Jan 01 1900 00:00:00.0"
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Schlitzer_Station
2> set Bottom_Depth = NULL
3> where Bottom_Depth = -9999
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Schlitzer_Standard_Data
2> set Temperature = NULL
3> where Temperature < -10.0
(199 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Schlitzer_Standard_Data
2> set Salinity = NULL
3> where Salinity < 0
(213 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Schlitzer_Standard_Data
2> set Oxygen = NULL
3> where Oxygen <= -9.0
(506 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Schlitzer_Standard_Data
2> set Phosphate = NULL
3> where Phosphate < 0
(384 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Schlitzer_Standard_Data
2> set Silicate = NULL
3> where Silicate < 0
(277 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Schlitzer_Standard_Data
2> set Nitrate= NULL
3> where Nitrate< 0
(1080 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Schlitzer_Station
2> set Marsden_Square# = NULL
3> where Marsden_Square# <= 0
(209 rows affected)
1> dump tran SouthernOceanDB with truncate_only
```

Log-110

```
1> /*
2> ** SYBASE Script
3> **
4> ** Created 1991-10-29
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: SchlitzerLOAD_COPY.SCRIPT
9> */
10> use SouthernOceanDB
1>
2> if @@error != 0
3> begin
4>   print 'Fehler beim Oeffnen der Datenbank.'
5>   return
6> end
1>
2> if exists (select * from sysobjects where name like "Schlitzer_copy_all")
3>   drop procedure Schlitzer_copy_all
1>
2> create procedure Schlitzer_copy_all
3> as
4> /* Fill Station and Standard_Data with Schlitzer Data*/
5> /* L.-P. Kurdelski 1991-10-28 */
6> begin
7>
8> insert Station (Station_Id#, Cruise_Number, Station_Number,
9>   Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
10>   Number_Obse, Marsden_Square#)
11>   select Schlitzer_Station_Id#, Cruise_Number, Station_Number,
12>     Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
13>     Number_Obse, Marsden_Square#
14> from Schlitzer_Station
15>
16> insert Standard_Data (Standard_Data_Id#, Station_Id#,
17>   Depth, Temperature, Salinity, Oxygen)
18> select Schlitzer_Standard_Data_Id#, Schlitzer_Station_Id#,
19>   Depth, Temperature, Salinity, Oxygen
20> from Schlitzer_Standard_Data
21>
22> end
1>
2> execute Schlitzer_copy_all
(return status = 0)
```

log-111

```
1> /*
2> ** SYBASE script
3> **
4> ** CREATOR: L.-P. Kurdelski
5> **
6> ** CREATIONDATE: 1991-12-04
7> **
8> ** FILE: SHIP_UPD_04121991.SCRIPT
9> **
10> ** Updating ships
11> */
12> use SouthernOceanDB
1>
2> /*
3> ** Change the names of two ships
4> */
5> if exists (select * from Ship where Ship_Name like 'Dege')
6>     begin
7>         update Ship
8>             set Ship_Name = 'Degei'
9>             where Ship_Name like 'Dege'
10>     end
11> else
12>     print "Ship 'Dege' does not exist."
Ship 'Dege' does not exist.
1>
2> if exists (select * from Ship where Ship_Name like 'Diagnita')
3>     begin
4>         update Ship
5>             set Ship_Name = 'Diaguita'
6>             where Ship_Name like 'Diagnita'
7>     end
8> else
9>     print "Ship 'Diagnita' does not exist."
Ship 'Diagnita' does not exist.
1>
2> /*
3> ** Change relation between Ship and Cruise including the country.
4> */
5> exec changeShipNameAndCountryInCru
6>     "unknown", "unknown", "Th. Thompson", "USA", 12220, 0
Update of unknown to Th. Thompson successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Degei", "Australia", 2157, 0
Update of unknown to Degei successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Saga", "Australia", 1078, 0
Update of unknown to Saga successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "Boa", "Argentina", "Cap. Canepa", "Argentina", 5052, 0
Update of Boa to Cap. Canepa successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "Cap. Canepa", "Argentina", "Gen. San-Martin", "Argentina", -1809, 0
Update of Cap. Canepa to Gen. San-Martin successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "Boa", "Argentina", "Cap. Canepa", "Argentina", 5054, 0
```

```

Update of Boa to Cap. Canepa successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>      "unknown", "unknown", "Cap. Canepa", "Argentina", 6525, 0
Update of unknown to Cap. Canepa successful.
(return status = 0)
1>
2> /*
3> ** Inserting the ships into a temporary table "tempships"
4> */
5> /*
6> ** Clearing the table.
7> */
8> truncate table tempships
1> /*
2> ** Inserting
3> */
4> insert tempships (Id#, cn, ship, country)
5>      values (1, 58001, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (2, 58002, "Bahia Blanca", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (3, 58003, "Madryn", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (4, 58803, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (5, 58804, "Yamana", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (6, 58805, "Republica", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (7, 58805, "Ranquel", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (8, 58807, "Diaguita", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (9, 58004, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (10, 58005, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (11, 58006, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (12, 58008, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (13, 58009, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (14, 58010, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (15, 58011, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>      values (16, 58012, "Cap. Canepa", "Argentina")
(1 row affected)

```

```
1> insert tempships (Id#, cn, ship, country)
2>     values (17, 58013, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (18, 58014, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (19, 58015, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (20, 58016, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (21, 58017, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (22, 58018, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (23, 58019, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (24, 58020, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (25, 58021, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (26, 58022, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (27, 58024, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (28, 58026, "Gen. Zapiola", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (29, 58027, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (30, 58028, "Comodoro Augusto Lasserre", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (31, 58029, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (32, 58030, "Gen. Zapiola", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (33, 58031, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (34, 58032, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (35, 58033, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (36, 58034, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (37, 58035, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (38, 58036, "Cap. Canepa", "Argentina")
(1 row affected)
```

```
1> insert tempships (Id#, cn, ship, country)
2>     values (39, 58037, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (40, 58038, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (41, 58039, "Gen. Zapiola", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (42, 58040, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (43, 58041, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (44, 58042, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (45, 58044, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (46, 58045, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (47, 58046, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (48, 58047, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (49, 58048, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (50, 58049, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (51, 58050, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (52, 58051, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (53, 58052, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (54, 58053, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (55, 58054, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (56, 58055, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (57, 58056, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (58, 58057, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (59, 58058, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (60, 58059, "Goyena", "Argentina")
(1 row affected)
```



```
1> insert tempships (Id#, cn, ship, country)
2>     values (61, 58060, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (62, 58061, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (63, 58063, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (64, 58064, "Goyena", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (65, 58065, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (66, 58066, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (67, 58067, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (68, 58068, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (69, 58069, "Goyena", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (70, 58070, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (71, 58071, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (72, 58073, "Goyena", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (73, 58074, "Goyena", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (74, 58075, "Goyena", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (75, 58076, "Goyena", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (76, 58078, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (77, 58079, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (78, 58080, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (79, 58081, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (80, 58084, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (81, 58085, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (82, 58089, "Islas Orcadas", "Argentina")
(1 row affected)
```

```
1> insert tempships (Id#, cn, ship, country)
2>     values (83, 58100, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (84, 58101, "San Juan", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (85, 58808, "San Luis", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (86, 58809, "Alferez Mackinlay", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (87, 58102, "Gen. Zapiola", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (88, 58103, "Goyena", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (89, 58104, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (90, 58105, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (91, 58106, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (92, 58107, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (93, 58108, "San Juan", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (94, 58109, "Islas Orcadas", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (95, 58300, "Walther Herwig", "FRG")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (96, 58301, "Walther Herwig", "FRG")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (97, 58302, "Walther Herwig", "FRG")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (98, 58306, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (99, 58307, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (100, 58308, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (101, 58309, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (102, 58310, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (103, 58311, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (104, 58312, "unknown", "Argentina")
(1 row affected)
```

```
1> insert tempships (Id#, cn, ship, country)
2>     values (105, 58313, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (106, 58314, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (107, 58315, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (108, 58316, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (109, 58317, "Gen. San-Martin", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (110, 58318, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (111, 58319, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (112, 58320, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (113, 58321, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (114, 58322, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (115, 58323, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (116, 58324, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (117, 58325, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (118, 58326, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (119, 58327, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (120, 58328, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (121, 58329, "Doctor Holmberg", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (122, 58330, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (123, 58331, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (124, 58332, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (125, 58333, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (126, 58334, "Cap. Canepa", "Argentina")
(1 row affected)
```

```
1> insert tempships (Id#, cn, ship, country)
2>     values (127, 58335, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (128, 58336, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (129, 58337, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (130, 58338, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (131, 58339, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (132, 58340, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (133, 58341, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (134, 58342, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (135, 58343, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (136, 58344, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (137, 58345, "Cap. Canepa", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (138, 58346, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (139, 58347, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (140, 58432, "Austral", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (141, 58433, "Austral", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (142, 58435, "Austral", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (143, 58438, "Austral", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (144, 58440, "Austral", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (145, 58441, "Puerto Deseado", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (146, 58600, "Austral", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (147, 58601, "Austral", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (148, 58602, "Austral", "Argentina")
(1 row affected)
```

```
1> insert tempships (Id#, cn, ship, country)
2>     values (149, 58603, "Austral", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (150, 58604, "unknown", "Argentina")
(1 row affected)
1> insert tempships (Id#, cn, ship, country)
2>     values (151, 58605, "unknown", "Argentina")
(1 row affected)
1>
2> /*
3> **  Inserting ships into the Ship and Cruise tables
4> */
5> begin transaction
1>
2> exec insert_new_ships
(return status = 0)
1>
2> if @@error != 0
3>     begin
4>         rollback transaction
5>         print "No ship inserted"
6>     end
7> else
8>     begin
9>         commit transaction
10>    end
1>
2> print "DONE"
DONE
```

log-112

```
1> /*
2> ** SYBASE script
3> **
4> ** CREATOR: L.-P. Kurdelski
5> **
6> ** CREATIONDATE: 1991-12-05
7> **
8> ** FILE: SHIP_UPD_05121991.SCRIPT
9> **
10> ** Updating ships
11> */
12> use SouthernOceanDB
1> /*
2> ** Updating the ship cruise relation
3> */
4> exec changeShipNameAndCountryInCru
5>     "unknown", "unknown", "Fuji-Mar", "Japan", -25000, 0
Update of unknown to Fuji-Mar successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Fuji-Mar", "Japan", -25001, 0
Update of unknown to Fuji-Mar successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Fuji-Mar", "Japan", -25002, 0
Update of unknown to Fuji-Mar successful.
(return status = 0)
1>
2> print "DONE"
DONE
```

log-113

```
1> /*
2> ** SYBASE script
3> **
4> ** CREATOR: L.-P. Kurdelski
5> **
6> ** CREATIONDATE: 1991-12-05
7> **
8> ** FILE: SHIP_UPD_05121991_2.SCRIPT
9> **
10> ** Updating ships
11> */
12> use SouthernOceanDB
1> /*
2> ** Updating the ship cruise relation
3> */
4> exec changeShipNameAndCountryInCru
5>     "unknown", "unknown", "Chatyr-Dag", "USSR", 10350, 0
Update of unknown to Chatyr-Dag successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Gizhiga", "USSR", 10097, 0
Update of unknown to Gizhiga successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Prof. Zubov", "USSR", -22012, 0
Update of unknown to Prof. Zubov successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Evrica", "USSR", 4231, 0
Update of unknown to Evrica successful.
(return status = 0)
1>
2> print "DONE"
DONE
```

Log - 174

```
1> /*
2> ** Sybase script
3> **
4> ** Written 1992-02-03 by L.-P. Kurdelski
5> **
6> ** FILE: updateshipcruise030292.script
7> **
8> ** Update of Ship and Cruise in SouthernOceanDB
9> **
10> ** Data from V. Guretzky
11> **
12> */
13>
14> /* assume SouthernOceanDB is available */
15> use SouthernOceanDB
1>
2> exec insertOneShip "Spectrum", "USSR"
Ship Spectrum, Country USSR inserted
(return status = 0)
1>
2> exec insertOneShip "Quantum", "USSR"
Ship Quantum, Country USSR inserted
(return status = 0)
1>
2> exec changeShipNameInCruise "unknown", "Spectrum", 11319, 0
Update of unknown to Spectrum successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "unknown", "Quantum", 9890, 0
Update of unknown to Quantum successful.
(return status = 0)
1>
2> exec changeShipNameInCruise "unknown", "Skif", 9230, 0
Update of unknown to Skif successful.
(return status = 0)
```



Log - 115

```
1> /* SYBASE script by L.-P. Kurdelski
2> **
3> ** Inserting new Ship by presenting the Ship_Name,
4> ** the Country
5> **
6> ** created 1991-02-03
7> **
8> ** FILE: INSERTONESHIP.SCRIPT
9> */
10>
11> use master
1>
2> if not exists (select * from master.dbo.sysdatabases
3>     where name = "SouthernOceanDB")
4>     begin
5>         print 'SouthernOceanDB does not exist !!!'
6>         return
7>     end
(0 rows affected)
1>
2> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "insertOneShip")
3>     drop proc insertOneShip
1>
2> create proc insertOneShip ( @ship varchar(80),
3>                             @country varchar(80))
4>
5> as
6> /* SYBASE script by L.-P. Kurdelski
7> **
8> ** Inserting new Ship by presenting the Ship_Name, the Country
9> **
10> ** created 1991-02-03
11> **
12> ** FILE: INSERTONESHIP.SCRIPT
13> */
14>     begin
15>         declare @shipid int,
16>                 @msg varchar(80)
17>
18>         select @msg = "Ship " + @ship + ", Country " + @country
19>
20>         if exists (select Ship_Id#
21>                     from Ship
22>                     where Ship_Name like @ship
23>                     and Country like @country)
24>             begin
25>                 select @msg = @msg + " already exists"
26>             end
27>         else
28>             begin
29>                 select @shipid = (select max(Ship_Id#)
30>                                     from Ship
31>                                     where Ship_Id# < 100000)
32>
33>                 if @shipid is null
34>                     select @shipid = 1
35>             else
36>                 select @shipid = @shipid + 1
37>
38>                 insert Ship
39>                 values (@shipid, @ship, @country, NULL)
40>
41>                 select @msg = @msg + " inserted"
42>             end
```

```
43>   print @msg
44>   end
```

log - 116

```
1> /*
2> ** Sybase Script
3> **
4> ** CREATED: 1992-02-04
5> **
6> ** CREATOR: L.-P. Kurdelski
7> ** LOAD
8> ** FILE: BSH.SCRIPT
9> */
10> /* Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB */
11> /* bereits existiert. */
12> use master
1> /* Erzeugen der Datenbank */
2> /* Die Datenbank muss nicht mehr erzeugt werden. */
3> if not exists (select * from master.dbo.sysdatabases
4>                where name = "SouthernOceanDB")
5> begin
6> print 'SouthernOceanDB does not exist !!!'
7> return
8> end
9>
10> use SouthernOceanDB
(0 rows affected)
1>
2> /* Erzeugen der Tabellen */
3> if exists (select * from sysobjects where name="BSH_Station")
4> drop table BSH_Station
1>
2> create table BSH_Station
3>     (BSH_Station_Id# int,          /* internal identification */
4>      Cruise_Number   int,         /* BSH nc */
5>      Station_Number  int,         /* BSH ns */
6>      Longitude       float,       /* BSH ongitude */
7>      Latitude        float,       /* BSH atitude */
8>      Date_Time       datetime NULL,
9>                                     /* BSH nyear nmonth nda nho */
10>      Bottom_Depth   int NULL, /* BSH nde */
11>      Max_Obse_Depth int NULL, /* BSH mode */
12>      Number_Obse    int,         /* BSH nz */
13>      Marsden_Square# int NULL /* BSH msq */)
1>
2> if exists (select * from sysobjects where name="BSH_Standard_Data")
3> drop table BSH_Standard_Data
1>
2> create table BSH_Standard_Data
3>     (BSH_Standard_Data_Id# int,          /* internal identification ♦
4>      BSH_Station_Id#      int,          /* internal identification ♦
5>      Depth                int,         /* BSH zst */
6>      Temperature         float NULL, /* BSH tst */
7>      Salinity            float NULL, /* BSH sst */
8>      Oxygen              float NULL, /* BSH Oxygen */
9>      Phosphate           float NULL, /* BSH Phosphate */
10>      Silicate            float NULL, /* BSH Silicate */
11>      Nitrate             float NULL /* BSH Nitrate */)
1>
2> /* Definition der Primaerschlüssel in den Tabellen */
3>
4> execute sp_primarykey BSH_Station, BSH_Station_Id#
5> execute sp_primarykey BSH_Standard_Data, BSH_Standard_Data_Id#
New primary key added.
(return status = 0)
New primary key added.
(return status = 0)
1>
2> /* Definition der Sekundaerschlüssel in den Tabellen */
3>
```

```
4> execute sp_foreignkey BSH_Standard_Data, BSH_Station,
5>     BSH_Station_Id#
New foreign key added.
(return status = 0)
1>
2> /* Erzeugen der Views */
3> /* Erzeugen der Prozeduren */
4>
5> /* Eintragen der Nutzer */
6> grant select on BSH_Station to PHYSIK1
1>
2> grant select on BSH_Standard_Data to PHYSIK1
```

log - 117

```
1> /*
2> ** SYBASE Script
3> **
4> ** Created: 1992-02-04
5> **
6> ** Creator: L.P. Kurdelski
7> **
8> ** FILE: BSHLOAD_UPD.SCRIPT
9> **
10> ** Script um missing Values auf NULL zu setzen
11> **
12> ** BSH_Station
13> ** BSH_Standard_Data
14> */
15> use SouthernOceanDB
1> dump tran SouthernOceanDB with truncate_only
1> update BSH_Station
2> set Date_Time = NULL
3> where Date_Time="Jan 01 1900 00:00:00.0"
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update BSH_Station
2> set Bottom_Depth = NULL
3> where Bottom_Depth = -9999
(179 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update BSH_Standard_Data
2> set Temperature = NULL
3> where Temperature < -10.0
(127 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update BSH_Standard_Data
2> set Salinity = NULL
3> where Salinity < 0
(243 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update BSH_Standard_Data
2> set Oxygen = NULL
3> where Oxygen < 0
(2405 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update BSH_Standard_Data
2> set Phosphate = NULL
3> where Phosphate < 0
(4259 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update BSH_Standard_Data
2> set Silicate= NULL
3> where Silicate < 0
(4259 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update BSH_Standard_Data
2> set Nitrate = NULL
3> where Nitrate < 0
(4259 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update BSH_Station
2> set Marsden_Square# = NULL
3> where Marsden_Square# <= 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
```

log-118

```
1> /*
2> ** SYBASE Script
3> **
4> ** Created 1992-02-04
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: BSHLOAD_COPY.SCRIPT
9> */
10> use SouthernOceanDB
1>
2> if @@error != 0
3> begin
4>   print 'Fehler beim Oeffnen der Datenbank.'
5>   return
6> end
1>
2> if exists (select * from sysobjects where name like "BSH_copy_all")
3>   drop procedure BSH_copy_all
1>
2> create procedure BSH_copy_all
3> as
4> /* Fill Station and Standard_Data with BSH Data*/
5> /* L.-P. Kurdelski 1992-02-04*/
6> begin
7>
8> insert Station (Station_Id#, Cruise_Number, Station_Number,
9>   Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
10>   Number_Obse, Marsden_Square#)
11>   select BSH_Station_Id#, Cruise_Number, Station_Number,
12>     Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
13>     Number_Obse, Marsden_Square#
14> from BSH_Station
15>
16> insert Standard_Data (Standard_Data_Id#, Station_Id#,
17>   Depth, Temperature, Salinity)
18> select BSH_Standard_Data_Id#, BSH_Station_Id#,
19>   Depth, Temperature, Salinity
20> from BSH_Standard_Data
21>
22> end
1>
2> execute BSH_copy_all
(return status = 0)
```

```
1> /* Sybase-Script made in February, 20, 1992 by
2> ** Lutz-Peter Kurdelski
3> **
4> ** FILENAME: UPDATENODC.SCRIPT
5> **
6> **   AWI-Rechnergruppe
7> **
8> ** Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB
9> ** bereits existiert.
10> */
11> use master
12> /* Erzeugen der Datenbank */
13> /*   Die Datenbank muss nicht mehr erzeugt werden. */
14> if not exists (select * from master.dbo.sysdatabases
15>                where name = "SouthernOceanDB")
16> begin
17>   print 'SouthernOceanDB does not exist !!!'
18>   return
19> end
(0 rows affected)
20>
21> use SouthernOceanDB
22>
23> create procedure updateNODC (@ship varchar(80),
24>                             @country varchar(80),
25>                             @NODC varchar(80))
26> as
27> /*
28> ** Update of an existing or non existing NODC code.
29> ** This code is the Ship_Code in table Ship and view
30> ** Aari_Cruise2
31> **/
32> declare @msg varchar(80)
33>
34> if exists (select * from Ship
35>            where Ship_Name like @ship and
36>                  Country like @country)
37>   begin
38>     update Ship
39>     set Ship_Code = @NODC
40>     where Ship_Name like @ship and
41>           Country like @country
42>   end
43> else
44>   begin
45>     select @msg = "Ship "+@ship+", "+@country+" not found."
46>     print @msg
47>   end
```

```
1> /*
2> ** SYBASE script
3> **
4> ** CREATOR: Lutz-Peter Kurdelski
5> **
6> ** CREATION: 1991-10-29
7> **
8> ** FILE: updateNODC200292.SCRIPT
9> **
10> ** Changes in the Ship, "Cruise Table
11> ** source. oth$daten:[socean.dhi]bshcru3.dat
12> **
13> */
14> use SouthernOceanDB
1>
2> update Ship
3> set Ship_Name = "S.F. Baird"
4> where Ship_Name like "S.E. Baird" and
5>     Country LIKE "USA"
(0 rows affected)
1>
2> create table #newships (id int,
3>     nodc varchar(5),
4>     cruise int,
5>     ship varchar(80),
6>     country varchar(80))
1>
2> begin transaction
1>
2> insert #newships values ( 1, "GA09", 70133, "Gascoyne", "Australia")
3> insert #newships values ( 2, "GA09", 70059, "Gascoyne", "Australia")
4> insert #newships values ( 3, "GA26", 70014, "Galathea", "Denmark")
5> insert #newships values ( 4, "CN31", 70002, "Carnegie", "USA")
6> insert #newships values ( 5, "GL31", 70591, "Glacier", "USA")
7> insert #newships values ( 6, "BI31", 70592, "Burton Island", "USA")
8> insert #newships values ( 7, "SI31", 70613, "S̄taten Island", "USA")
9> insert #newships values ( 8, "SB31", 70802, "S.F. Baird", "USA")
10> insert #newships values ( 9, "BI31", 71214, "Burton Island", "USA")
11> insert #newships values (10, "AR31", 72046, "Argo", "USA")
12> insert #newships values (11, "ET31", 72701, "Eltanin", "USA")
13> insert #newships values (12, "OC31", 72994, "Oceanographer", "USA")
14> insert #newships values (13, "CO35", 78348, "Coriolis", "France")
15> insert #newships values (14, "CO35", 78351, "Coriolis", "France")
16> insert #newships values (15, "SY49", 70709, "Albatross", "Japan")
17> insert #newships values (16, "CY49", 70865, "Koyo-Marū", "Japan")
18> insert #newships values (17, "K649", 71003, "Kaiyo-Marū", "Japan")
19> insert #newships values (18, "CY49", 71481, "Koyo-Marū", "Japan")
20> insert #newships values (19, "TI61", 70004, "Tui", "New Zealand")
21> insert #newships values (20, "TU61", 70005, "Taranui", "New Zealand")
22> insert #newships values (21, "TU61", 70010, "Taranui", "New Zealand")
23> insert #newships values (22, "TI61", 70012, "Tui", "New Zealand")
24> insert #newships values (23, "TU61", 70032, "Taranui", "New Zealand")
25> insert #newships values (24, "TU61", 70033, "Taranui", "New Zealand")
26> insert #newships values (25, "TU61", 70041, "Taranui", "New Zealand")
27> insert #newships values (26, "VT61", 70044, "Viti", "New Zealand")
28> insert #newships values (27, "TI61", 70951, "Tui", "New Zealand")
29> insert #newships values (28, "TI61", 70952, "Tui", "New Zealand")
30> insert #newships values (29, "PD90", 70247, "Prof. Deryugin", "USSR")
31> insert #newships values (30, "AM90", 70303, "Acad. Korolev", "USSR")
32> insert #newships values (31, "VK90", 70345, "Vojeikov", "USSR")
33> insert #newships values (32, "VK90", 70434, "Vojeikov", "USSR")
34> insert #newships values (33, "AB90", 70499, "Alba", "USSR")
35> insert #newships values (34, "VI90", 70862, "Vityaz", "USSR")
36> insert #newships values (35, "PY90", 77090, "Priboy", "USSR")
(1 row affected)
(1 row affected)
```



```

(1 row affected)
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1>
2> if @@error != 0
3>     rollback transaction
4> else
5>     commit transaction
1>
2> declare @i int,
3>          @m int,
4>          @cruise int,
5>          @nodc varchar(5),
6>          @ship varchar(80),
7>          @country varchar(80)
8>
9> select @m = max(id) from #newships
10> select @i = 1
11>
12> while @i <= @m
13> begin
14>     select @nodc = nodc,
15>            @ship = ship,
16>            @country = country,
17>            @cruise = cruise
18>     from #newships
19>     where id = @i
20>
21>     exec updateNODC @ship, @country, @nodc
22>
23>     exec insert_into_cruise @cruise, @ship, @country
24>
25>     select @i = @i + 1
26> end
(1 row affected)
(1 row affected)

```





```
(1 row affected)
(return status = 0)
(return status = 0)
(1 row affected)
(1 row affected)
(return status = 0)
(return status = 0)
(1 row affected)
1>
2> drop table #newships
```

log-121

```
1> /*
2> ** SYBASE script
3> **
4> ** CREATOR: Lutz-Peter Kurdelski
5> **
6> ** CREATION: 1992-03-01
7> **
8> ** FILE: resetNODC200292.SCRIPT
9> **
10> ** RESET
11> ** changes in the Ship, "Cruise Table
12> ** source. oth$daten:[socean.dhi]bshcru3.dat
13> **
14> */
15> use SouthernOceanDB
1>
2> create table #newships (id int,
3>                          nodc varchar(5),
4>                          cruise int,
5>                          ship varchar(80),
6>                          country varchar(80))
1>
2> begin transaction
1>
2> insert #newships values ( 1, "GA09", 70133, "Gascoyne", "Australia")
3> insert #newships values ( 2, "GA09", 70059, "Gascoyne", "Australia")
4> insert #newships values ( 3, "GA26", 70014, "Galathea", "Denmark")
5> insert #newships values ( 4, "CN31", 70002, "Carnegie", "USA")
6> insert #newships values ( 5, "GL31", 70591, "Glacier", "USA")
7> insert #newships values ( 6, "BI31", 70592, "Burton Island", "USA")
8> insert #newships values ( 7, "SI31", 70613, "Staten Island", "USA")
9> insert #newships values ( 8, "SB31", 70802, "S.F. Baird", "USA")
10> insert #newships values ( 9, "BI31", 71214, "Burton Island", "USA")
11> insert #newships values (10, "AR31", 72046, "Argo", "USA")
12> insert #newships values (11, "ET31", 72701, "Eltanin", "USA")
13> insert #newships values (12, "OC31", 72994, "Oceanographer", "USA")
14> insert #newships values (13, "CO35", 78348, "Coriolis", "France")
15> insert #newships values (14, "CO35", 78351, "Coriolis", "France")
16> insert #newships values (15, "SY49", 70709, "Albatross", "Japan")
17> insert #newships values (16, "K49", 70865, "Koyo-Maru", "Japan")
18> insert #newships values (17, "K649", 71003, "Kaiyo-Maru", "Japan")
19> insert #newships values (18, "CY49", 71481, "Koyo-Maru", "Japan")
20> insert #newships values (19, "TI61", 70004, "Tui", "New Zealand")
21> insert #newships values (20, "TU61", 70005, "Taranui", "New Zealand")
22> insert #newships values (21, "TU61", 70010, "Taranui", "New Zealand")
23> insert #newships values (22, "TI61", 70012, "Tui", "New Zealand")
24> insert #newships values (23, "TU61", 70032, "Taranui", "New Zealand")
25> insert #newships values (24, "TU61", 70033, "Taranui", "New Zealand")
26> insert #newships values (25, "TU61", 70041, "Taranui", "New Zealand")
27> insert #newships values (26, "VT61", 70044, "Viti", "New Zealand")
28> insert #newships values (27, "TI61", 70951, "Tui", "New Zealand")
29> insert #newships values (28, "TI61", 70952, "Tui", "New Zealand")
30> insert #newships values (29, "PD90", 70247, "Prof. Deryugin", "USSR")
31> insert #newships values (30, "AM90", 70303, "Acad. Korolev", "USSR")
32> insert #newships values (31, "VK90", 70345, "Vojeikov", "USSR")
33> insert #newships values (32, "VK90", 70434, "Vojeikov", "USSR")
34> insert #newships values (33, "AB90", 70499, "Alba", "USSR")
35> insert #newships values (34, "VI90", 70862, "Vityaz", "USSR")
36> insert #newships values (35, "PY90", 77090, "Priboy", "USSR")
(1 row affected)
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(1 row affected)
1>
2> if @@error != 0
3>     rollback transaction
4> else
5>     commit transaction
1>
2> declare @i int,
3>         @m int,
4>         @cruise int,
5>         @nodc varchar(5),
6>         @ship varchar(80),
7>         @country varchar(80)
8>
9> select @m = max(id) from #newships
10> select @i = 1
11>
12> while @i <= @m
13> begin
14>     select @nodc = nodc,
15>           @ship = ship,
16>           @country = country,
17>           @cruise = cruise
18>     from #newships
19>     where id = @i
20>
21>     delete from Cruise where Cruise_Number# = @cruise
22>
23>     select @i = @i + 1
24> end
(1 row affected)
(1 row affected)
(1 row affected)
(239937 rows affected)
(1 row affected)
(1 row affected)
(5 rows affected)
(1 row affected)
(1 row affected)

```



```
(5 rows affected)
(1 row affected)
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(5 rows affected)
(1 row affected)
(5 rows affected)
(1 row affected)
1>
2> drop table #newships
```



Log-122

```
1> /*
2> ** SYBASE script
3> **
4> ** AUTHOR: Lutz-Peter Kurdelski
5> **
6> ** DATE: 1992-03-05
7> **
8> ** FILE: ChangeCruise050392.script
9> **
10> ** SOURCE: oth$daten:[socean.text]kurdell8.note
11> */
12> use SouthernOceanDB
1>
2> drop trigger Update_Cruise
1>
2> create table #tempships (id# int,
3>                          cruise int,
4>                          oldShip varchar(80),
5>                          newShip varchar(80),
6>                          oldCountry varchar(80),
7>                          newCountry varchar(80))
1> /*
2> **      Cruise   Old_Ship   New_Ship      Old_Country   New_Country
3> */
4> insert #tempships values( 1, 10522, "unknown", "Foton",      "unknown",
"USSR")
5> insert #tempships values( 2,  4576, "unknown", "Priliv",      "unknown",
"USSR")
6> insert #tempships values( 3,  2970, "unknown", "Priboy NPS",  "unknown",
"USSR")/*      ***** */
7> insert #tempships values( 4,  9689, "unknown", "Salehard",    "unknown",
"USSR")
8> insert #tempships values( 5, 11319, "unknown", "Spektrum",    "unknown",
"USSR")
9> insert #tempships values( 6,   896, "unknown", "Prof. Zubov", "unknown",
"USSR")
10> insert #tempships values( 7,  6468, "unknown", "Hudson",      "unknown",
"Canada")
11> insert #tempships values( 8,  2968, "unknown", "Okean",       "unknown",
"USSR")/*      ***** */
12> insert #tempships values( 9,  2501, "unknown", "Argus",       "unknown",
"USSR")
13> insert #tempships values(10,  4813, "unknown", "Evrica",      "unknown",
"USSR")
14> insert #tempships values(11,  4375, "unknown", "Lesnoi",      "unknown",
"USSR")
15> insert #tempships values(12,  4395, "unknown", "Prognoz",     "unknown",
"USSR")
16> insert #tempships values(13,  4597, "unknown", "Salehard",    "unknown",
"USSR")
17> insert #tempships values(14,  4564, "unknown", "Acad. Kurchatov", "unknown",
"USSR")
18> insert #tempships values(15,  3070, "unknown", "Vema",        "unknown",
"USA")
19> insert #tempships values(16, 13968, "unknown", "Yelcho",      "unknown",
"Chile")
20> insert #tempships values(17,   202, "unknown", "Prognoz",     "unknown",
"USSR")
21> insert #tempships values(18,   266, "unknown", "Belogorsk",   "unknown",
"USSR")
22> insert #tempships values(19,  4859, "unknown", "Walther Herwig", "unknown",
"FRG")
23> insert #tempships values(20,  3997, "unknown", "Dana",        "unknown",
"Denmark")
24> insert #tempships values(21,   891, "unknown", "Davydov",     "unknown",
"USSR")
25> insert #tempships values(22,   890, "unknown", "Bellinsgausen", "unknown",
"USSR")
```



unknown  
USSR  
4 9689  
unknown  
Salehard  
unknown  
USSR  
5 11319  
unknown  
Spektrum  
unknown  
USSR  
6 896  
unknown  
Prof. Zubov  
unknown  
USSR  
7 6468  
unknown  
Hudson  
unknown  
Canada  
8 2968  
unknown  
Okean  
unknown  
USSR  
9 2501  
unknown  
Argus  
unknown  
USSR  
10 4813  
unknown  
Evricea  
unknown  
USSR  
11 4375

unknown

Lesnoi

unknown

USSR

12 4395  
unknown

Prognoz

unknown

USSR

13 4597  
unknown

Salehard

unknown

USSR

14 4564  
unknown

Acad. Kurchatov

unknown

USSR

15 3070  
unknown

Vema

unknown

USA

16 13968  
unknown

Yelcho

unknown

Chile

17 202  
unknown

Prognoz

unknown

USSR

18 266  
unknown

Belogorsk

unknown

USSR

19 4859  
unknown

Walther Herwig

unknown

FRG

20 3997  
unknown

Dana

unknown

Denmark

21 891  
unknown

Davydov

unknown

USSR

22 890  
unknown

Bellinsgausen

unknown

USSR

23 9890  
unknown

Quantum

unknown

USSR

(23 rows affected)

```
1>
2> declare @os varchar(80),
3>          @oc varchar(80),
4>          @ns varchar(80),
5>          @nc varchar(80),
6>          @cr int,
7>          @id int,
8>          @ma int,
9>          @msg varchar(80)
10>
11> select @id = 1
12> select @ma = max(id#) from #tempships
13>
14> while @id <= @ma
15>   begin
16>     select @os = oldShip,
17>            @oc = oldCountry,
18>            @ns = newShip,
```

```

19>         @nc = newCountry,
20>         @cr = cruise
21> from #tempships
22> where id# = @id
23>
24> select @msg = @os+" "+@oc+" - "+@ns+" "+@nc
25> print @msg
26>
27> exec changeShipNameAndCountryInCru @os, @oc, @ns, @nc, @cr, 0
28>
29> select @id = @id + 1
30> end
(1 row affected)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Foton USSR
Update of unknown to Foton successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Priliv USSR
Update of unknown to Priliv successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Priboy NPS USSR
Update of unknown to Priboy NPS successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Salehard USSR
Update of unknown to Salehard successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Spektrum USSR
Update of unknown to Spektrum successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Prof. Zubov USSR
Update of unknown to Prof. Zubov successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Hudson Canada
Update of unknown to Hudson successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Okean USSR
Update of unknown to Okean successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Argus USSR
Update of unknown to Argus successful.
(return status = 0)
(1 row affected)

```

(1 row affected)  
(1 row affected)  
unknown unknown - Evrica USSR  
Update of unknown to Evrica successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Lesnoi USSR  
Update of unknown to Lesnoi successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Prognoz USSR  
Update of unknown to Prognoz successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Salehard USSR  
Update of unknown to Salehard successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Acad. Kurchatov USSR  
Update of unknown to Acad. Kurchatov successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Vema USA  
Update of unknown to Vema successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Yelcho Chile  
Update of unknown to Yelcho successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Prognoz USSR  
Update of unknown to Prognoz successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Belogorsk USSR  
Update of unknown to Belogorsk successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Walther Herwig FRG  
Update of unknown to Walther Herwig successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)  
unknown unknown - Dana Denmark  
Update of unknown to Dana successful.  
(return status = 0)  
(1 row affected)  
(1 row affected)  
(1 row affected)

```
unknown unknown - Davydov USSR
Update of unknown to Davydov successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Bellinsgausen USSR
Update of unknown to Bellinsgausen successful.
(return status = 0)
(1 row affected)
(1 row affected)
(1 row affected)
unknown unknown - Quantum USSR
Update of unknown to Quantum successful.
(return status = 0)
(1 row affected)
1>
2> drop table #tempships
```



log-123

```
1>
2>
3> /*
4> ** SYBASE script
5> **
6> ** AUTHOR: L.-P. Kurdelski
7> **
8> ** DATE: 1992-03-13
9> **
10> ** FILE: insertcruise130392.script
11> **
12> ** SOURCE: OTH$DATEN:[SOCEAN.TEXT]KURDEL19.NOTE
13> **
14> */
15> use SouthernOceanDB
1>
2> exec insert_into_cruise 60001,"unknown", "unknown"
3> exec insert_into_cruise 60002, "unknown", "unknown"
4> exec insert_into_cruise 60003, "unknown", "unknown"
5> exec insert_into_cruise 60004, "unknown", "unknown"
6> exec insert_into_cruise 58806, "unknown", "Argentina"
7> exec insert_into_cruise 999, "Lena", "USSR"
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
(return status = 0)
```

log - 124

```
1> /*
2> ** Sybase script
3> **
4> ** Written 1992-03-27 by L.-P. Kurdelski
5> **
6> ** Update of Ship and Cruise in SouthernOceanDB
7> **
8> ** Data from V. Guretzky, file kurdel21.note
9> **
10> ** File: UpdateShipCruise270392.script
11> **
12> */
13>
14> /* assume SouthernOceanDB is available */
15> use SouthernOceanDB
1>
2> exec changeCountryOfShip "Argo", "Canada", "USA", -987
Done.
(return status = 0)
1>
2> exec changeCountryOfShip "Staten Island", "Australia", "USA", -927
Done.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Melville", "USA", 60001, 0
Update of unknown to Melville successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Hakuho-Maru", "Japan", 60002, 0
Update of unknown to Hakuho-Maru successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "unknown", "Hudson", "Canada", 60003, 0
Update of unknown to Hudson successful.
(return status = 0)
1>
2> declare @maxid int
3>
4> select @maxid = max(Ship_Id#) from Ship
5> where Ship_Id# < 100000
6>
7> select @maxid = @maxid + 1
8>
9> insert Ship
10> values (@maxid, "T.G.Thompson", "USA", NULL)
11>
12> exec changeShipNameAndCountryInCru
13>     "J.G.Thompson", "USA", "T.G.Thompson", "USA", 12219, 0
14>
15> exec changeShipNameAndCountryInCru
16>     "Th. Thompson", "USA", "T.G.Thompson", "USA", 12220, 0
(1 row affected)
(1 row affected)
(1 row affected)
Update of J.G.Thompson to T.G.Thompson successful.
(return status = 0)
Update of Th. Thompson to T.G.Thompson successful.
(return status = 0)
1>
2> update Ship
3> set Country = "Germany"
4> where Ship Name like "Mowe"
5> and Country like "unknown"
(1 row affected)
```

log-125

```
1> /*
2> ** SYBASE script
3> **
4> ** AUTHOR: Lutz-Peter Kurdelski
5> **
6> ** DATE: 1992-03-27
7> **
8> ** WHY: changing a country of a ship
9> **
10> ** FILE: changeCountryOfShip.script
11> */
12> use SouthernOceanDB
1>
2> if exists ( select * from sysobjects where name like "changeCountryOfShip")
3>     drop procedure changeCountryOfShip
1>
2> create proc changeCountryOfShip
3>     @ship varchar(40),
4>     @oldCountry varchar(40),
5>     @newCountry varchar(40),
6>     @cru int
7>
8> as
9>     begin
10>     /*
11>     ** Change the ships country
12>     */
13>         declare @sid int,
14>                @msg varchar(80)
15>
16>         begin transaction
17>
18>         select @sid = Ship_Id#
19>         from Cruise
20>         where Cruise_Number# = @cru
21>
22>         if @sid is not NULL
23>             begin
24>                 update Ship
25>                 set Country = @newCountry
26>                 where Ship_Id# = @sid
27>
28>                 select @msg = "Done."
29>
30>                 commit transaction
31>             end
32>         else
33>             begin
34>                 select @msg = "Ship '"+@ship+"' not found"
35>
36>                 rollback transaction
37>             end
38>
39>         print @msg
40>     end
```

```

1> /*
2> ** Sybase script
3> **
4> ** Written 1992-04-06 by L.-P. Kurdelski
5> **
6> ** Update of Ship and Cruise in SouthernOceanDB
7> **
8> ** Data from V. Guretzky, file kurdel22.note
9> **
10> ** File: UpdateShipCruise060492.script
11> **
12> */
13>
14> /* assume SouthernOceanDB is available */
15> use SouthernOceanDB
1>
2> exec changeShipNameAndCountryInCru
3>     "unknown", "Denmark", "Dana", "Denmark", 55018, 0
Update of unknown to Dana successful.
(return status = 0)
1>
2> exec changeShipNameAndCountryInCru
3>     "Explorer", "Scotland", "Explorer", "Denmark", -163, 0
Update of Explorer to Explorer successful.
(return status = 0)
1>
2> exec insertShip "Polarstern", "FRG", 59001
  Cruise_Number
    Ship
-----
54019
Polarstern
54019
Polarstern
54019
Polarstern
54019
Polarstern
54019
Polarstern

Ship Polarstern and Cruise 59001 inserted

(5 rows affected, return status = 0)
1> exec insertShip "Polarstern", "FRG", 59002
  Cruise_Number
    Ship
-----
54019
Polarstern
54019
Polarstern
54019
Polarstern
54019
Polarstern
54019
Polarstern

Ship Polarstern and Cruise 59002 inserted

(5 rows affected, return status = 0)
1> exec insertShip "Polarstern", "FRG", 59003
  Cruise_Number

```

Ship

-----  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern

Ship Polarstern and Cruise 59003 inserted

(5 rows affected, return status = 0)  
1> exec insertShip "Polarstern", "FRG", 59004  
Cruise\_Number  
Ship

-----  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern

Ship Polarstern and Cruise 59004 inserted

(5 rows affected, return status = 0)  
1> exec insertShip "Polarstern", "FRG", 59005  
Cruise\_Number  
Ship

-----  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern

Ship Polarstern and Cruise 59005 inserted

(5 rows affected, return status = 0)  
1> exec insertShip "Polarstern", "FRG", 59006  
Cruise\_Number  
Ship

-----  
54019  
Polarstern  
54019  
Polarstern  
54019  
Polarstern

54019  
Polarstern  
54019  
Polarstern

Ship Polarstern and Cruise 59006 inserted

(5 rows affected, return status = 0)

Log - 127

```
1> /*
2> ** SYBASE Script
3> **
4> ** Created: 1991-10-09
5> **
6> ** Creator: L.P. Kurdelski
7> **
8> ** FILE: ARGENTINELOAD_UPD.SCRIPT
9> **
10> ** Script um missing Values auf NULL zu setzen
11> **
12> ** Argentine_Station
13> ** Argentine_Standard_Data
14> */
15> use SouthernOceanDB
1> dump tran SouthernOceanDB with truncate_only
1> update Argentine_Station
2> set Date_Time = NULL
3> where Date_Time="Jan 01 1900 00:00:00.0"
(3 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Argentine_Station
2> set Bottom_Depth = NULL
3> where Bottom_Depth = -9999
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Argentine_Standard_Data
2> set Temperature = NULL
3> where Temperature < -10.0
(1008 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Argentine_Standard_Data
2> set Salinity = NULL
3> where Salinity < 0
(2477 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Argentine_Standard_Data
2> set Oxygen = NULL
3> where Oxygen <= -9.0
(17579 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update Argentine_Station
2> set Marsden_Square# = NULL
3> where Marsden_Square# <= 0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
```

```
1> /*
2> ** SYBASE Script
3> **
4> ** Created 1991-11-11
5> **
6> ** Creator: L.-P. Kurdelski
7> **
8> ** FILE: AWILOAD_COPY.SCRIPT
9> */
10> use SouthernOceanDB
1>
2> if @@error != 0
3> begin
4>   print 'Fehler beim Oeffnen der Datenbank.'
5>   return
6> end
1>
2> if exists (select * from sysobjects where name like "AWI_copy_all")
3>   drop procedure AWI_copy_all
1>
2> create procedure AWI_copy_all
3> as
4> /* Fill Station and Standard_Data with AWI Data*/
5> /* L.-P. Kurdelski 1991-11-11*/
6> begin
7>
8> insert Station (Station_Id#, Cruise_Number, Station_Number,
9>   Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
10>   Number_Obse, Marsden_Square#)
11>   select AWI_Station_Id#, Cruise_Number, Station_Number,
12>     Date_Time, Longitude, Latitude, Bottom_Depth, Max_Obse_Depth,
13>     Number_Obse, Marsden_Square#
14> from AWI_Station
15>
16> insert Standard_Data (Standard_Data_Id#, Station_Id#,
17>   Depth, Temperature, Salinity)
18> select AWI_Standard_Data_Id#, AWI_Station_Id#,
19>   Depth, Temperature, Salinity
20> from AWI_Standard_Data
21>
22> end
1>
2> execute AWI_copy_all
(return status = 0)
```



log - 129

```
1> /*
2> ** SYBASE Script
3> **
4> ** Created: 1991-11-11
5> **
6> ** Creator: L.P. Kurdelski
7> **
8> ** FILE: AWILOAD_UPD.SCRIPT
9> **
10> ** Script um missing Values auf NULL zu setzen
11> **
12> ** AWI_Station
13> ** AWI_Standard_Data
14> */
15> use SouthernOceanDB
1> dump tran SouthernOceanDB with truncate_only
1> update AWI_Station
2> set Date_Time = NULL
3> where Date_Time="Jan 01 1900 00:00:00.0"
(1 row affected)
1> dump tran SouthernOceanDB with truncate_only
1> update AWI_Station
2> set Bottom_Depth = NULL
3> where Bottom_Depth = -9999
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update AWI_Standard_Data
2> set Temperature = NULL
3> where Temperature < -10.0
(0 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update AWI_Standard_Data
2> set Salinity = NULL
3> where Salinity < 0
(3 rows affected)
1> dump tran SouthernOceanDB with truncate_only
1> update AWI_Station
2> set Marsden_Square# = NULL
3> where Marsden_Square# <= 0
(536 rows affected)
1> dump tran SouthernOceanDB with truncate_only
```

```
1> /*
2> ** SYBASE script
3> **
4> ** CREATED: 1991-10-09
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: CHANGE_VALIDATION_FLAGS.SCRIPT
9> **
10> ** ABSTRACT:
11> ** The validation flags will be set to a default of 0 instead of NULL.
12> ** This is a correction to the existing data. After this correction
13> ** is done there will be a default bound to the column of every table
14> ** containing a validation flag that will be set the validation flag
15> ** to zero.
16> **
17> */
18> use SouthernOceanDB
19>
20> /* update Station
21> ** set Validation_Flag = 0
22> ** where Validation_Flag is null
23> ** go
24> **
25> ** dump tran SouthernOceanDB with no_log
26> ** go
27> */
28>
29> if exists (select * from sysobjects where name like "updateValidationFlags")
30>     drop procedure updateValidationFlags
31>
32> create procedure updateValidationFlags (@start int, @end int)
33> as
34>     begin
35>         update Standard_Data
36>         set Validation_Flag = 0
37>         where Validation_Flag is null
38>             and Standard_Data_Id# between @start and @end
39>
40>         if @@error != 0
41>             print "no update"
42>         else
43>             print "updated"
44>     end
45>
46>
47> /* exec updateValidationFlags 1, 400000
48> ** go
49> ** dump tran SouthernOceanDB with no_log
50> ** go
51> ** exec updateValidationFlags 400001, 500000
52> ** go
53> ** dump tran SouthernOceanDB with no_log
54> ** go
55> ** exec updateValidationFlags 500001, 750000
56> ** go
57> ** dump tran SouthernOceanDB with no_log
58> ** go
59> ** exec updateValidationFlags 750001, 1000000
60> ** go
61> ** dump tran SouthernOceanDB with no_log
62> ** go
63> ** exec updateValidationFlags 1000001, 1250000
64> ** go
65> ** dump tran SouthernOceanDB with no_log
66> ** go
67> ** exec updateValidationFlags 1250001, 2000000
```

```
23> ** go
24> *?
25> dump tran SouthernOceanDB with no_log
Msg 113, Level 15, State 1:
Server 'SYBASE401', Line 26:
Missing end comment mark '*/'.
1> exec updateValidationFlags 3000001, 3500000
Msg 1105, Level 17, State 1:
Server 'SYBASE401', Procedure 'UpdateStandard_DataTgr', Line 31:
Can't allocate space for object 'UpdateData' in database
'SouthernOceanDB' because the 'default' segment is full. If you ran
out of space in Syslogs, dump the transaction log. Otherwise, use
ALTER DATABASE or sp_extendsegment to increase the size of the
segment.
(return status = -7)
1> dump tran SouthernOceanDB with no_log
1> exec updateValidationFlags 3500001, 4000000
No rows selected !! Update aborted
(return status = 0)
1> dump tran SouthernOceanDB with no_log
1> exec updateValidationFlags 4000001, 4500000
Msg 1105, Level 17, State 1:
Server 'SYBASE401', Procedure 'UpdateStandard_DataTgr', Line 31:
Can't allocate space for object 'UpdateData' in database
'SouthernOceanDB' because the 'default' segment is full. If you ran
out of space in Syslogs, dump the transaction log. Otherwise, use
ALTER DATABASE or sp_extendsegment to increase the size of the
segment.
(return status = -7)
1> dump tran SouthernOceanDB with no_log
1> exec updateValidationFlags 4500001, 5000000
No rows selected !! Update aborted
(return status = 0)
1> dump tran SouthernOceanDB with no_log
1> exec updateValidationFlags 5000001, 5500000
Msg 1105, Level 17, State 1:
Server 'SYBASE401', Procedure 'UpdateStandard_DataTgr', Line 31:
Can't allocate space for object 'UpdateData' in database
'SouthernOceanDB' because the 'default' segment is full. If you ran
out of space in Syslogs, dump the transaction log. Otherwise, use
ALTER DATABASE or sp_extendsegment to increase the size of the
segment.
(return status = -7)
1> dump tran SouthernOceanDB with no_log
1> exec updateValidationFlags 5500001, 6000000
No rows selected !! Update aborted
(return status = 0)
1> dump tran SouthernOceanDB with no_log
1> exec updateValidationFlags 6000001, 6500000
Msg 1105, Level 17, State 1:
Server 'SYBASE401', Procedure 'UpdateStandard_DataTgr', Line 31:
Can't allocate space for object 'UpdateData' in database
'SouthernOceanDB' because the 'default' segment is full. If you ran
out of space in Syslogs, dump the transaction log. Otherwise, use
ALTER DATABASE or sp_extendsegment to increase the size of the
segment.
(return status = -7)
1> dump tran SouthernOceanDB with no_log
1> exec updateValidationFlags 6500001, 7000000
No rows selected !! Update aborted
(return status = 0)
1> dump tran SouthernOceanDB with no_log
1> exec updateValidationFlags 7000001, 8000000
Msg 1105, Level 17, State 1:
Server 'SYBASE401', Procedure 'UpdateStandard_DataTgr', Line 31:
Can't allocate space for object 'UpdateData' in database
```

'SouthernOceanDB' because the 'default' segment is full. If you ran out of space in Syslogs, dump the transaction log. Otherwise, use ALTER DATABASE or sp\_extendsegment to increase the size of the segment.

(return status = -7)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 7000001, 7500000

Msg 1105, Level 17, State 1:

Server 'SYBASE401', Procedure 'UpdateStandard\_DataTgr', Line 31:

Can't allocate space for object 'UpdateData' in database

'SouthernOceanDB' because the 'default' segment is full. If you ran

out of space in Syslogs, dump the transaction log. Otherwise, use

ALTER DATABASE or sp\_extendsegment to increase the size of the

segment.

(return status = -7)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 7500001, 9000000

No rows selected !! Update aborted

(return status = 0)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 9000001, 9500000

Msg 1105, Level 17, State 1:

Server 'SYBASE401', Procedure 'UpdateStandard\_DataTgr', Line 31:

Can't allocate space for object 'UpdateData' in database

'SouthernOceanDB' because the 'default' segment is full. If you ran

out of space in Syslogs, dump the transaction log. Otherwise, use

ALTER DATABASE or sp\_extendsegment to increase the size of the

segment.

(return status = -7)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 9500001, 10000000

No rows selected !! Update aborted

(return status = 0)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 10000001, 15000000

No rows selected !! Update aborted

(return status = 0)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 15000001, 20000000

No rows selected !! Update aborted

(return status = 0)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 20000001, 25000000

Msg 1105, Level 17, State 1:

Server 'SYBASE401', Procedure 'UpdateStandard\_DataTgr', Line 31:

Can't allocate space for object 'UpdateData' in database

'SouthernOceanDB' because the 'default' segment is full. If you ran

out of space in Syslogs, dump the transaction log. Otherwise, use

ALTER DATABASE or sp\_extendsegment to increase the size of the

segment.

(return status = -7)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 25000001, 30000000

No rows selected !! Update aborted

(return status = 0)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 30000001, 35000000

No rows selected !! Update aborted

(return status = 0)

1> dump tran SouthernOceanDB with no\_log

1> exec updateValidationFlags 35000001, 40000000

No rows selected !! Update aborted

(return status = 0)

1> print "DONE"

DONE

```
1> /*
2> ** Sybase-Script made in December 1990 by Lutz-Peter Kurdelski
3> **   AWI-Rechnergruppe
4> **
5> ** FILE: cruise_trigger.script
6> **
7> ** Es werden Trigger auf delete, insert, update gelegt,
8> **   so dass nachvollziehbar ist, wer was wann geendert hat.
9> **
10> ** Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB
11> ** bereits existiert.
12> */
13> use master
1> /* Erzeugen der Datenbank
2> **   Die Datenbank muss nicht mehr erzeugt werden.
3> */
4> if not exists (select * from master.dbo.sysdatabases
5>                where name = "SouthernOceanDB")
6> begin
7> print 'SouthernOceanDB does not exist !!!'
8> return
9> end
10>
11> use SouthernOceanDB
(O rows affected)
1>
2> /* Erzeugen von Trigger */
3> if exists ( select * from sysobjects where name like "Insert_Cruise" )
4>     drop trigger Insert_Cruise
1>
2> create trigger Insert_Cruise
3> on Cruise
4> for insert
5> as
6>     begin
7>         declare @msg varchar(80),
8>                @sid int
9>
10>         if not exists (select *
11>                        from Ship, inserted
12>                        where Ship.Ship_Id# = inserted.Ship_Id#)
13>             begin
14>                 select @sid = Ship_Id# from inserted
15>                 select @msg = "INSERT Cruise: Please insert the ship #" +
16>                    convert(varchar(20),@sid) + " first into Ship"
17>                 print @msg
18>                 rollback transaction
19>             end
20>     end
1>
2> if exists ( select * from sysobjects where name like "Delete_Cruise" )
3>     drop trigger Delete_Cruise
1>
2> create trigger Delete_Cruise
3> on Cruise
4> for delete
5> as
6>     begin
7>         if exists (select *
8>                    from Station, deleted
9>                    where Station.Cruise_Number = deleted.Cruise_Number#)
10>             begin
11>                 print "DELETE Cruise: There exists a station corresponding to this C
12>                 ruse_Number"
13>                 rollback transaction
14>             end
15>         else
16>             begin
```

```

16>         insert into Cruise_Deleted
17>         select deleted.Cruise_Number#,
18>                deleted.Ship_Id#,
19>                suser_id(),
20>                getdate()
21>         from deleted
22>     end
23> end
1>
2> if exists ( select * from sysobjects where name like "Update_Cruise" )
3>     drop trigger Update_Cruise
1>
2> create trigger Update_Cruise
3> on Cruise
4> for update
5> as
6>     begin
7>         declare @msg varchar(80),
8>                @sid int
9>
10>        if not exists
11>        (select *
12>         from Ship, inserted
13>         where Ship.Ship_Id# = inserted.Ship_Id#)
14>        begin
15>            select @sid = Ship_Id# from inserted
16>            select @msg = "UPDATE Cruise: Please insert the ship #" +
17>                           convert(varchar(20),@sid) + " first into Ship"
18>            print @msg
19>            rollback transaction
20>        end
21>        else
22>            begin
23>                if update(Cruise_Number#)
24>                begin
25>                    if exists
26>                    (select *
27>                     from Station, deleted
28>                     where Station.Cruise_Number = deleted.Cruise_Number#)
29>                    begin
30>                        select @sid = Cruise_Number# from deleted
31>                        select @msg = "UPDATE Cruise: There exists at least one station"
32>                               + "(" + convert(varchar(20),@sid) + ")" +
33>                               + " corresponding to this Cruise_Number"
34>                        print @msg
35>                        rollback transaction
36>                    end
37>                else
38>                    begin
39>                        insert into Cruise_Updated
40>                        select inserted.Cruise_Number#,
41>                               inserted.Ship_Id#,
42>                               deleted.Cruise_Number#,
43>                               deleted.Ship_Id#,
44>                               suser_id(),
45>                               getdate()
46>                        from inserted, deleted
47>                        print "UPDATE Cruise successful"
48>                    end
49>                end
50>            end
51>        end
1>
2> if exists ( select * from sysobjects where name like "Delete_Ship" )
3>     drop trigger Delete_Ship
1>
2> create trigger Delete_Ship
3> on Ship

```

```
4> for delete
5> as
6> begin
7>     declare @msg varchar(80),
8>             @sid int
9>     if exists (select *
10>              from Cruise, deleted
11>              where Cruise.Ship_Id# = deleted.Ship_Id#)
12>         begin
13>             select @sid = Ship_Id# from deleted
14>             select @msg = "DELETE Ship: Please delete the cruises for ship #" +
15>                           convert(varchar(20),@sid) + " first"
16>             print @msg
17>             rollback transaction
18>         end
19> end
1>
2> if exists ( select * from sysobjects where name like "Update_Ship" )
3>     drop trigger Update_Ship
1>
2> create trigger Update_Ship
3> on Ship
4> for update
5> as
6> begin
7>     insert into Ship_Updated
8>     select deleted.Ship_Id#,
9>            inserted.Ship_Name,
10>            inserted.Country,
11>            inserted.Ship_Code,
12>            deleted.Ship_Name,
13>            deleted.Country,
14>            deleted.Ship_Code,
15>            suser_id(),
16>            getdate()
17>     from inserted, deleted
18> end
```

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```
1> /* SYBASE script by L.-P. Kurdelski
2> **
3> ** Inserting new Cruises to Cruise and Ship
4> ** from Marion Dufresne Data
5> **
6> ** created 1991-09-13
7> **
8> ** FILE: MARION_DUFRESNE_CRUISE.SCRIPT
9> */
10>
11> use master
1> if not exists (select * from master.dbo.sysdatabases
2>     where name = "SouthernOceanDB")
3> begin
4> print 'SouthernOceanDB does not exist !!!'
5> return
6> end
7>
8> use SouthernOceanDB
(0 rows affected)
1>
2> exec insertShip 'Marion Dufresne', 'France', 57001
  Cruise_Number
    Ship
-----
55065
Marion Dufresne
-21420
Marion Dufresne
57001
Marion Dufresne
57002
Marion Dufresne
57003
Marion Dufresne .
57004
Marion Dufresne
57005
Marion Dufresne
57006
Marion Dufresne
57007
Marion Dufresne
55065
Marion Dufresne
-21420
Marion Dufresne
55065
Marion Dufresne
-21420
Marion Dufresne
55065
Marion Dufresne
-21420
Marion Dufresne
55065
Marion Dufresne
-21420
Marion Dufresne
55065
Marion Dufresne
-21420
Marion Dufresne

Ship Marion Dufresne and Cruise 57001 inserted

(17 rows affected, return status = 0)
1>
2> exec insertShip 'Marion Dufresne', 'France', 57002
```



Cruise\_Number  
Ship

-----  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
57001  
Marion Dufresne  
57002  
Marion Dufresne  
57003  
Marion Dufresne  
57004  
Marion Dufresne  
57005  
Marion Dufresne  
57006  
Marion Dufresne  
57007  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne

Ship Marion Dufresne and Cruise 57002 inserted

(17 rows affected, return status = 0)

1>

2> exec insertShip 'Marion Dufresne', 'France', 57003

Cruise\_Number  
Ship

-----  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
57001  
Marion Dufresne  
57002  
Marion Dufresne  
57003  
Marion Dufresne  
57004  
Marion Dufresne  
57005  
Marion Dufresne  
57006  
Marion Dufresne  
57007  
Marion Dufresne

55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne

Ship Marion Dufresne and Cruise 57003 inserted

(17 rows affected, return status = 0)

1>

2> exec insertShip 'Marion Dufresne', 'France', 57004

Cruise\_Number

Ship

-----◆

55065  
Marion Dufresne  
-21420  
Marion Dufresne  
57001  
Marion Dufresne  
57002  
Marion Dufresne  
57003  
Marion Dufresne  
57004  
Marion Dufresne  
57005  
Marion Dufresne  
57006  
Marion Dufresne  
57007  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne

Ship Marion Dufresne and Cruise 57004 inserted

(17 rows affected, return status = 0)

1>

2> exec insertShip 'Marion Dufresne', 'France', 57005

Cruise\_Number  
Ship

-----  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
57001  
Marion Dufresne  
57002  
Marion Dufresne  
57003  
Marion Dufresne  
57004  
Marion Dufresne  
57005  
Marion Dufresne  
57006  
Marion Dufresne  
57007  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne

Ship Marion Dufresne and Cruise 57005 inserted

(17 rows affected, return status = 0)

1>

2> exec insertShip 'Marion Dufresne', 'France', 57006

Cruise\_Number  
Ship

-----  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
57001  
Marion Dufresne  
57002  
Marion Dufresne  
57003  
Marion Dufresne  
57004  
Marion Dufresne  
57005  
Marion Dufresne  
57006  
Marion Dufresne  
57007  
Marion Dufresne

55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne

Ship Marion Dufresne and Cruise 57006 inserted

(17 rows affected, return status = 0)

1>

2> exec insertShip 'Marion Dufresne', 'France', 57007

Cruise\_Number

Ship

-----

-----◆  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
57001  
Marion Dufresne  
57002  
Marion Dufresne  
57003  
Marion Dufresne  
57004  
Marion Dufresne  
57005  
Marion Dufresne  
57006  
Marion Dufresne  
57007  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne  
55065  
Marion Dufresne  
-21420  
Marion Dufresne

Ship Marion Dufresne and Cruise 57007 inserted

(17 rows affected, return status = 0)

```
/* SYBASE script by L.-P. Kurdelski
**
** Inserting new Cruises to Cruise and Ship
** from Marion Dufresne Data
**
** created 1991-09-13
**
** FILE: MARION_DUFRESNE_CRUISE.SCRIPT
*/

use master
go
if not exists (select * from master.dbo.sysdatabases
              where name = "SouthernOceanDB")
begin
print 'SouthernOceanDB does not exist !!!'
return
end

use SouthernOceanDB
go

exec insertShip 'Marion Dufresne', 'France', 57001
go

exec insertShip 'Marion Dufresne', 'France', 57002
go

exec insertShip 'Marion Dufresne', 'France', 57003
go

exec insertShip 'Marion Dufresne', 'France', 57004
go

exec insertShip 'Marion Dufresne', 'France', 57005
go

exec insertShip 'Marion Dufresne', 'France', 57006
go

exec insertShip 'Marion Dufresne', 'France', 57007
go

/* end of Marion_Dufresne_Cruise.script */
```

Log - 135

```
1> /*
2> ** Sybase Script
3> **
4> ** CREATED: 1991-10-08
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: VALIDATION_FLAG_DEFAULT.SCRIPT
9> */
10> /* Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB */
11> /* bereits existiert. */
12> use master
1> /* Erzeugen der Datenbank */
2> /* Die Datenbank muss nicht mehr erzeugt werden. */
3> if not exists (select * from master.dbo.sysdatabases
4>                where name = "SouthernOceanDB")
5> begin
6> print 'SouthernOceanDB does not exist !!!'
7> return
8> end
9>
10> use SouthernOceanDB
(0 rows affected)
1>
2> create default Validation_Flag_Default
3> as 0
Msg 2714, Level 16, State 1:
Server 'SYBASE401', Procedure 'Validation_Flag_Default', Line 2:
There is already an object named 'Validation_Flag_Default' in the
database.
1>
2> exec sp_bindefault Validation_Flag_Default, "Station.Validation_Flag"
Default bound to column.
(return status = 0)
1>
2> exec sp_bindefault Validation_Flag_Default, "Standard_Data.Validation_Flag"
Default bound to column.
(return status = 0)
```

*Alfa Log*  
LOG-136

```
1>/*
2>** SYBASE script
3>**
4>** CREATED: 1991-10-23
5>**
6>** CREATOR: L.-P. Kurdelski
7>**
8>** FILE: c_v_f.script
9>**
10>** ABSTRACT: see change_validation_flags.script
11>**
12>*/
13> use SouthernOceanDB
1>
2> if exists (select * from sysobjects where name like "updateValidationFlags")
3>     drop procedure updateValidationFlags
1>
2> create procedure updateValidationFlags (@start int, @end int)
3> as
4>     begin
5>
6>         update Standard_Data
7>         set Validation_Flag = 0
8>         where Validation_Flag is null
9>         and Standard_Data_Id# between @start and @end
10>
11>         if @@error != 0
12>             print "no update"
13>         else
14>             print "updated"
15>     end
1>
2> exec updateValidationFlags 1250001, 2000000
updated
(return status = 0)
1> dump tran SouthernOceanDB with truncate_only
```

```
1> /*
2> ** Sybase Script
3> **
4> ** CREATED: 1992-06-23
5> **
6> ** CREATOR: L.-P. Kurdelski
7> **
8> ** FILE: SO_USER.SCRIPT
9> */
10> /* Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB */
11> /* bereits existiert. */
12> use master
1> /* Erzeugen der Datenbank */
2> /* Die Datenbank muss nicht mehr erzeugt werden. */
3> if not exists (select * from master.dbo.sysdatabases
4>                where name = "SouthernOceanDB")
5> begin
6> print 'SouthernOceanDB does not exist !!!'
7> return
8> end
9>
10> exec sp_addlogin "so_user", "ocean", "SouthernOceanDB"
(0 rows affected)
New login created.
(return status = 0)
1>
2> use SouthernOceanDB
1>
2> /* Eintragen der Nutzer */
3> exec sp_adduser so_user
New user added.
(return status = 0)
1>
2> grant select on Station to so_user
1>
2> grant select on Standard_Data to so_user
```



```
1> /* SYBASE script by L.-P. Kurdelski
2> **
3> ** Updating a Ship name
4> **
5> ** created 1993-01-19
6> **
7> ** FILE: UPDATESHIP190193.SCRIPT
8> */
9>
10> use master
1>
2> if not exists (select * from master.dbo.sysdatabases
3>     where name = "SouthernOceanDB")
4>     begin
5>         print 'SouthernOceanDB does not exist !!!'
6>         return
7>     end
(0 rows affected)
1>
2> use SouthernOceanDB
1>
2> update Ship
3> set Ship_Name = "unknown"
4> where Ship_Id# = 299
(1 row affected)
```

```
1> /* Sybase-Script made in Dec 1993 by M. Reinke */
2> /* AWI-Rechnergruppe */
3> /*
4> ** FILE: AariLdgo.SCRIPT
5> */
6> /* Dieses Script geht davon aus, dass die Datenbank SouthernOceanDB */
7> /* bereits existiert. */
8> use master
1> /* Erzeugen der Datenbank */
2> /* Die Datenbank muss nicht mehr erzeugt werden. */
3> if not exists (select * from master.dbo.sysdatabases
4>                where name = "SouthernOceanDB")
5> begin
6> print 'SouthernOceanDB does not exist !!!'
7> return
8> end
9>
10> use SouthernOceanDB
(0 rows affected)
1>
2> /* Erzeugen der Tabellen */
3> if exists (select * from sysobjects where name="AariLdgo_Station")
4> drop table AariLdgo_Station
1>
> create table AariLdgo_Station
3>     (AariLdgo_Station_Id# int,          /* internal identification */
4>      Cruise_Number        int,         /* AariLdgo nc */
5>      Station_Number       int,         /* AariLdgo ns */
6>      Longitude            float,       /* AariLdgo ongitude */
7>      Latitude             float,       /* AariLdgo atitude */
8>      Date_Time            datetime NULL,
9>                                     /* AariLdgo nyear nmonth nda nho */
10>      Bottom_Depth        int,         /* AariLdgo nde */
11>      Max_Obse_Depth      int,         /* AariLdgo mode */
12>      Number_Obse         int,         /* AariLdgo hz */
13>      Marsden_Square#     int NULL /* AariLdgo msq */)
1>
2> if exists (select * from sysobjects where name="AariLdgo_Standard_Data")
3> drop table AariLdgo_Standard_Data
1>
2> create table AariLdgo_Standard_Data
3>     (AariLdgo_Standard_Data_Id# int,    /* internal identification */
4>      AariLdgo_Station_Id# int,         /* internal identification */
5>      Depth                int,         /* AariLdgo zst */
6>      Temperature          float NULL,  /* AariLdgo tst */
>      Salinity             float NULL,  /* AariLdgo sst */
8>      Oxygen              float NULL /* AariLdgo oxst */)
9>
1>
2> /* Definition der Primaerschlüssel in den Tabellen */
3>
4> execute sp_primarykey AariLdgo_Station, AariLdgo_Station_Id#
5> execute sp_primarykey AariLdgo_Standard_Data, AariLdgo_Standard_Data_Id#
New primary key added.
(return status = 0)
New primary key added.
(return status = 0)
1>
2> /* Definition der Sekundaerschlüssel in den Tabellen */
3>
4> execute sp_foreignkey AariLdgo_Standard_Data, AariLdgo_Station,
5>     AariLdgo_Station_Id#
New foreign key added.
(return status = 0)
1>
2> /* Erzeugen der Views */
3> /* Erzeugen der Prozeduren */
4>
5> /* Eintragen der Nutzer */
6> grant select on AariLdgo_Station to PHYSIK1
7> grant select on AariLdgo_Standard_Data to PHYSIK1
```