



## Exercise Eleven

11.1 Create a Report called Product\_Sales which displays the contents of the Products\_Sales table, joined with the Products and Products\_Group tables. Create binds which will limit the Report to a specified Product and to dates starting at one point and ending at another. The prompt for the binds should appear as follows ...

The screenshot shows a dialog box titled "Enter Bind Values". It contains a list box on the left with three items: "Please enter the Product required" (selected), "Please enter the Start Date", and "Please enter the End Date". To the right of the list box is a "Name:" label followed by a text input field containing the same text as the selected item. Below this is a checkbox labeled "NULL" which is unchecked. Further down is a "Value:" label followed by a text input field containing the number "1". At the bottom of the dialog are three buttons: "Help", "Apply", and "Cancel".

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11.1 continued. Export the Report as c:\course\extwo11\_1.xml

GROUP NAME	PRODUCT	PRICE	TRANSACTION DATE	NUMBER OF UNITS
GARDENING	LAWN MOWER BLADE	£10.99	02-JAN-99	6
GARDENING	LAWN MOWER BLADE	£10.99	03-JAN-99	10
GARDENING	LAWN MOWER BLADE	£10.99	04-JAN-99	13
GARDENING	LAWN MOWER BLADE	£10.99	05-JAN-99	16
GARDENING	LAWN MOWER BLADE	£10.99	06-JAN-99	20
GARDENING	LAWN MOWER BLADE	£10.99	07-JAN-99	23
GARDENING	LAWN MOWER BLADE	£10.99	24-JAN-99	80
GARDENING	LAWN MOWER BLADE	£10.99	25-JAN-99	83
GARDENING	LAWN MOWER BLADE	£10.99	26-JAN-99	86
GARDENING	LAWN MOWER BLADE	£10.99	27-JAN-99	90
GARDENING	LAWN MOWER BLADE	£10.99	28-JAN-99	93
GARDENING	LAWN MOWER BLADE	£10.99	29-JAN-99	96
GARDENING	LAWN MOWER BLADE	£10.99	30-JAN-99	100



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11.2 If not already done so, amend the Report so that if the User doesn't enter any values in the binds the Report will produce output for all records. Export as c:\course\extwo11\_2.xml.

11.3 Create a new Report based on the Share\_Index table, prompt the User for the lowest value of the index to be displayed ...

Enter Bind Values

Enter the lowest value required

Name: Enter the lowest value required

NULL

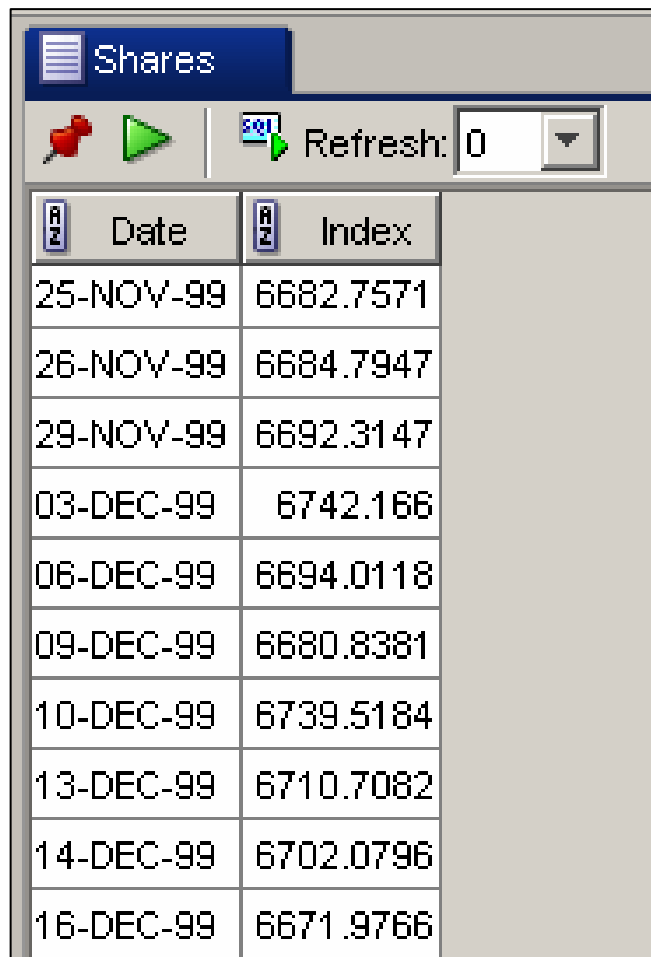
Value:

Help Apply Cancel

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11.3 continued. Export Report as c:\course\extwo11\_3.xml.



Date	Index
25-NOV-99	6682.7571
26-NOV-99	6684.7947
29-NOV-99	6692.3147
03-DEC-99	6742.166
06-DEC-99	6694.0118
09-DEC-99	6680.8381
10-DEC-99	6739.5184
13-DEC-99	6710.7082
14-DEC-99	6702.0796
16-DEC-99	6671.9766

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NUMBER_ONES											
Columns	Data	Constraints	Grants	Statistics	Column Statistics	Triggers	Dependencies	Details	Partitions	Indexes	SQL
Actions...											
Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS					
NO_CODE	NUMBER(8,0)	No	(null)	1	1	(null)					
NO_ARTIST	NUMBER(8,0)	No	(null)	2	(null)	(null)					
NO_TITLE	NUMBER(8,0)	No	(null)	3	(null)	(null)					
NO_DATE	DATE	No	(null)	4	(null)	(null)					
NO_CREATED_BY	VARCHAR2(30 BYTE)	No	(null)	5	(null)	(null)					
NO_CREATED_DATE	DATE	No	(null)	6	(null)	(null)					
NO_UPDATED_BY	VARCHAR2(30 BYTE)	No	(null)	7	(null)	(null)					
NO_UPDATED_DATE	DATE	No	(null)	8	(null)	(null)					



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11.6 Import the data into the Number\_ones tables from the excel spreadsheet called c:\course\extwo11\_6.xls.

	A	B	C	D
1	NO_CODE	NO_ARTIST	NO_TITLE	NO_DATE
2	1	1	1	14-NOV-52
3	2	1	1	21-NOV-52
4	3	1	1	28-NOV-52
5	4	1	1	05-DEC-52
6	5	1	1	12-DEC-52
7	6	1	1	19-DEC-52
8	7	1	1	26-DEC-52
9	8	1	1	02-JAN-53
10	9	1	1	09-JAN-53
11	10	2	2	16-JAN-53



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11.7 Create a new Table called Artistes, create the following columns ...

ART_NO	NUMBER(8)	NOT NULL
ART_NAME	VARCHAR2(100)	NOT NULL
ART_CREATED_BY	VARCHAR2(30)	NOT NULL
ART_CREATED_DATE	DATE	NOT NULL
ART_UPDATED_BY	VARCHAR2(30)	
ART_UPDATED_DATE	DATE	

Make Art\_no a Primary Key

Create a foreign key between the number\_ones table and this one, joining on art\_no and no\_artist (this should fail because there is no data in the Artistes table at present).

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ARTISTES											
Columns	Data	Constraints	Grants	Statistics	Column Statistics	Triggers	Dependencies	Details	Partitions	Indexes	SQL
Actions...											
Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key						
ART_NO	NUMBER(8,0)	No	(null)	1	1						
ART_NAME	VARCHAR2(100 BYTE)	No	(null)	2	(null)						
ART_CREATED_BY	VARCHAR2(30 BYTE)	No	(null)	3	(null)						
ART_CREATED_DATE	DATE	No	(null)	4	(null)						
ART_UPDATED_BY	VARCHAR2(30 BYTE)	Yes	(null)	5	(null)						
ART_UPDATED_DATE	DATE	Yes	(null)	6	(null)						

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11.8 The data for the Artistes table has been created using insert statements, load the file c:\course\extwo11\_8.sql into the SQL Worksheet and execute it.

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Enter SQL Statement:
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (155,'HUGO MONTENEGRO ORCHESTRA',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (156,'SCAFFOLD',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (157,'MARMALADE',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (158,'FLEETWOOD MAC',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (159,'MOVE',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (160,'AMEN CORNER',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (161,'PETER SARSTEDT',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (162,'MARVIN GAYE',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (163,'DESMOND DEKKER & THE ACES',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (164,'TOMMY ROE',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (165,'THUNDERCLAP NEWMAN',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (166,'ZAGER & EVANS',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (167,'CREEDENCE CLEARWATER REVIEWS',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (168,'JANE BIRKIN & SERGE GAINSBOURG',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (169,'BOBBY GENTRY',user,sysdate,null,null)
Insert into ARTISTES (ART_NO,ART_NAME,ART_CREATED_BY,ART_CREATED_DATE,ART_UPDATED_BY,ART_UPDATED_DATE) values (170,'ARCHIES',user,sysdate,null,null)
```

Repeat the creation of the foreign key between the number\_ones table and this one.



## Exercise Eleven

11.9 The User Course\_User has given you Select privilege on a table called Tracks, copy this table into your own schema (including the data) ...

Create a primary key on trk\_no

Create a unique key on trk\_artist, trk\_title

Once this is done, create a foreign key from the number\_ones table joining on no\_title and trk\_no.

The screenshot shows the 'TRACKS' table structure in SQL Developer. The table has the following columns:

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key
TRK_NO	NUMBER(8,0)	No	(null)	1	1
TRK_ARTIST	NUMBER(8,0)	No	(null)	2	(null)
TRK_TITLE	VARCHAR2(250 BYTE)	No	(null)	3	(null)
TRK_COMMENTS	VARCHAR2(300 BYTE)	No	(null)	4	(null)
TRK_CREATED_BY	VARCHAR2(30 BYTE)	No	(null)	5	(null)
TRK_CREATED_DATE	DATE	No	(null)	6	(null)
TRK_UPDATED_BY	VARCHAR2(30 BYTE)	Yes	(null)	7	(null)
TRK_UPDATED_DATE	DATE	Yes	(null)	8	(null)