



Exercise Six

6.1 Using the Stock_Sales table in SQL Manager, display a breakdown of the total sold for each individual Stock Number. Order by Stock Number. Save as c:\course\ex6_1.sql

The screenshot shows a SQL Manager window titled "Query Result" with a toolbar and a status bar indicating "All Rows Fetched: 25 in 0.015 seconds". The main area displays a table with two columns: "Stock Number" and "Total Sold". The table contains 12 rows of data. A "Row Count" dialog box is overlaid on the table, showing "25 Rows" and an "OK" button.

Stock Number	Total Sold
1	24
2	8
3	25
4	50
5	74
6	4
7	34
8	4
9	12
10	22
11	29
12	15



Exercise Six

6.2 Amend the previous SQL to include the rollup function to display the Grand Total.
Save as c:\ex6_2.sql ...

Query Result x

All Rows Fetched: 26 in 0 seconds

	Stock Number	Total Sold
13	13	20
14	14	2
15	15	
16	16	
17	17	
18	18	
19	19	
20	21	
21	22	
22	23	9
23	24	2
24	25	4
25	26	10
26	(null)	403

Row Count

26 Rows

OK



Exercise Six

6.3 Note that the rollup produces a total at the bottom but doesn't display a value in the Stock Number field, use the function NVL to substitute 'Grand Total' in the output (Hint: Remember that Stock Number is a number field). If time permits use nvl in the Order By clause to place the total at the top of the output. Save as c:\course\ex6_3.sql

Query Result x

All Rows Fetched: 26 in 0.016 seconds

Stock Number	Total Sold
1 Grand Total	403
2 1	24
3 2	8
4 3	25
5 4	50
6 5	74
7 6	4
8 7	34
9 8	4
10 9	12
11 10	22
12 11	29



Exercise Eight

8.1 Using a tree walk, display the sl_location_id, sl_location_address, sl_location_type from the Store_Locations table, starting at location 110 traverse upwards to find all of its parents ...

Save as c:\course\extwo8_1.sql

The screenshot shows a SQL Developer window with a 'Query Result' tab. The table contains the following data:

ID	Address	Type
110	240, EASTER RD, EDINGBURGH, MIDLOTHIAN, EH6 8LD	S
6	240 EASTER RD, EDINEBURGH, MIDLOTHIAN, EH6 8LD	R
3	1900 GREAT WESTERN RD, GLASGOW, LANARKSHIRE, G13 2TN	D
1	304-322, NORWOOD RD, WEST NORWOOD, LONDON, SE27 9AF	H



Exercise Eight

8.2 Amend the previous SQL statement to include the Location_Type table to display the Lt_Location_Description column, change the order of the records to display the Head Office, Division, Region and Store in that order ...

The screenshot shows a SQL Developer window with a query result table. The table has four columns: ID, Address, and Type of Location. The data is ordered by Type of Location: HEAD OFFICE, DIVISION, REGION, and STORE.

ID	Address	Type of Location
1	304-322, NORWOOD RD, WEST NORWOOD, LONDON, SE27 9AF	HEAD OFFICE
2	1900 GREAT WESTERN RD, GLASGOW, LANARKSHIRE, G13 2TN	DIVISION
3	240 EASTER RD, EDINBURGH, MIDLOTHIAN, EH6 8LD	REGION
4	110 240, EASTER RD, EDINGBURGH, MIDLOTHIAN, EH6 8LD	STORE



Exercise Eight

8.3 Create a new Tree Walk on the Store_Locations table, start at the first record (ie where the sl_parent_location_id is null) and traverse down all records using lpad and level to indent the displayed location id to show its position relative to other records. Use Order Siblings.

Save as c:\course\extwo8_3.sql

	Name	Address	Type of Location
1	1 WEST NORWOOD	304-322, NORWOOD RD, WEST NORWOOD, LONDON, SE27 9AF	HEAD OFFICE
2	-3 GLASGOW	1900 GREAT WESTERN RD, GLASGOW, LANARKSHIRE, G13 2TN	DIVISION
3	--6 EDINBURGH	240 EASTER RD, EDINBURGH, MIDLOTHIAN, EH6 8LD	REGION
4	-109 DUNDEE	SOUTH RD, LOCHEE, DUNDEE, ANGUS, DD2 4SR	STORE
5	-106 DUNFERMLINE	CARNEGIE DRIVE, RETAIL PARK, DUNFERMLINE, FIFE, KY12 7AU	STORE
6	-108 KIRKCALDY	439, ESPLANADE WEST, KIRKCALDY FIFE, KY1 1SL	STORE
7	-110 MIDLOTHIAN	240, EASTER RD, EDINGBURGH, MIDLOTHIAN, EH6 8LD	STORE
8	-107 PAISLEY	ABBOTSINCH RETAIL PARK, WASHINGTON RD, PAISLEY, RENFREWSHIRE	STORE
9	-104 PENRITH	BRIDGEND LANE, PENRITH, CUMBRIA, CA11 8JB	STORE
10	-101 SHOTTON	CHESTER RD, EAST SHOTTON, DEESIDE, CLWYD, CH5 1QD	STORE
11	-2 GORSEINON	GORSEINON RD, GARNGOCH, GORSEINON, SWANSEA, SA4 1AB	DIVISION
12	--5 BRISTOL	6, ELLAN HAY ROAD, AZTEC WEST, BRISTOL	REGION

Exercise Eight



8.4 If there is sufficient time, amend `c:\course\extwo8_3.sql` to use the `sys_connect_by_path` function to change the display as follows ... Save as `c:\course\extwo8_4.sql`

The screenshot shows a SQL Developer window with a query result table. The table has three columns: Name, Address, and Type of Location. The data is as follows:

Name	Address	Type of Location
1 /WEST NORWOOD	304-322, NORWOOD RD, WEST NORWOOD, LONDON, SE27 9AF	HEAD OFFICE
2 /WEST NORWOOD/GLASGOW	1900 GREAT WESTERN RD, GLASGOW, LANARKSHIRE, G13 2TN	DIVISION
3 /WEST NORWOOD/GLASGOW/EDINBURGH	240 EASTER RD, EDINBURGH, MIDLOTHIAN, EH6 8LD	REGION
4 /WEST NORWOOD/GLASGOW/EDINBURGH/DUNDEE	SOUTH RD, LOCHEE, DUNDEE, ANGUS, DD2 4SR	STORE
5 /WEST NORWOOD/GLASGOW/EDINBURGH/DUNFERMLINE	CARNEGIE DRIVE, RETAIL PARK, DUNFERMLINE, FIFE, KY12 7AU	STORE
6 /WEST NORWOOD/GLASGOW/EDINBURGH/KIRKCALDY	439, ESPLANADE WEST, KIRKCALDY FIFE, KY1 1SL	STORE
7 /WEST NORWOOD/GLASGOW/EDINBURGH/MIDLOTHIAN	240, EASTER RD, EDINGBURGH, MIDLOTHIAN, EH6 8LD	STORE
8 /WEST NORWOOD/GLASGOW/EDINBURGH/PAISLEY	ABBOTSINCH RETAIL PARK, WASHINGTON RD, PAISLEY, RENFREWSHIRE	STORE
9 /WEST NORWOOD/GLASGOW/EDINBURGH/PENRITH	BRIDGEND LANE, PENRITH, CUMBRIA, CA11 8JB	STORE
10 /WEST NORWOOD/GLASGOW/EDINBURGH/SHOTTON	CHESTER RD, EAST SHOTTON, DEESIDE, CLWYD, CH5 1QD	STORE
11 /WEST NORWOOD/GORSEINON	GORSEINON RD, GARNGOCH, GORSEINON, SWANSEA, SA4 1AB	DIVISION