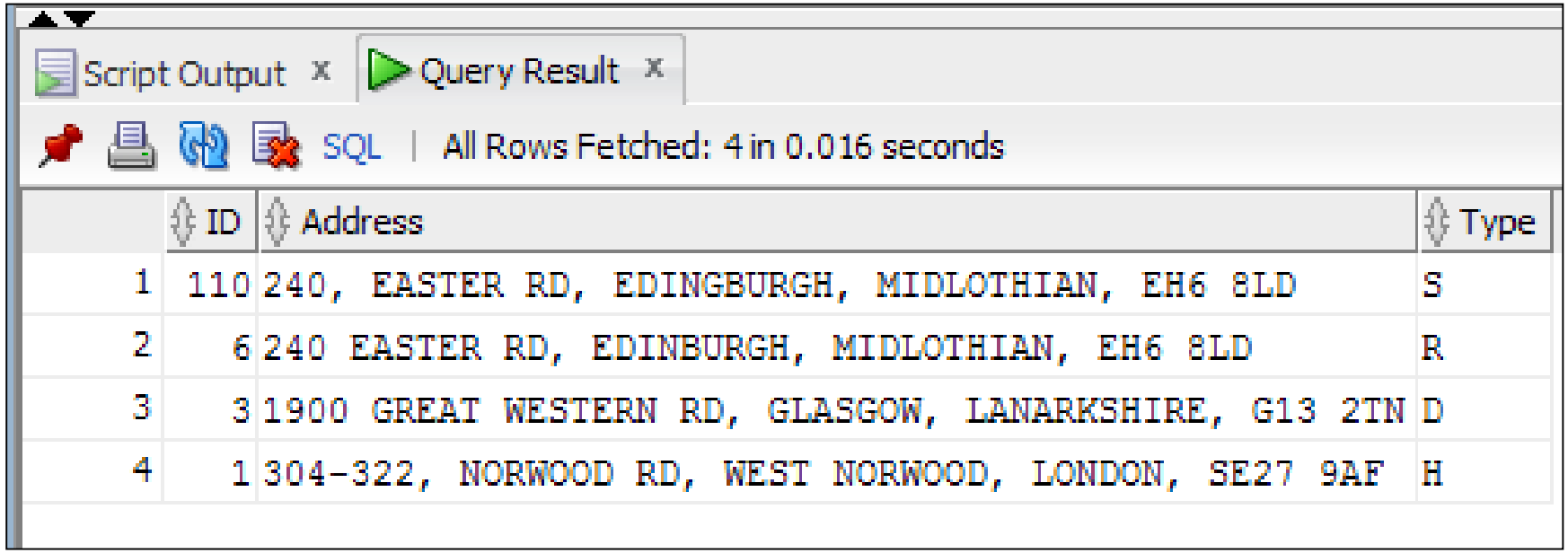
Exercise Eight

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


Script Output | Query Result

SQL | All Rows Fetched: 4 in 0.016 seconds

	ID	Address	Type
1	110	240, EASTER RD, EDINGBURGH, MIDLOTHIAN, EH6 8LD	S
2	6	240 EASTER RD, EDINBURGH, MIDLOTHIAN, EH6 8LD	R
3	3	1900 GREAT WESTERN RD, GLASGOW, LANARKSHIRE, G13 2TN	D
4	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 …

Script Output | Query Result

SQL | All Rows Fetched: 4 in 0.015 seconds

	ID	Address	Type of Location
1	1	304-322, NORWOOD RD, WEST NORWOOD, LONDON, SE27 9AF	HEAD OFFICE
2	3	1900 GREAT WESTERN RD, GLASGOW, LANARKSHIRE, G13 2TN	DIVISION
3	6	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 is position relative to other records. Use Order Siblings.
Save as c:\course\extwo8_3.sql

Script Output | Query Result

SQL | Fetched 50 rows in 0.015 seconds

	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

Script Output | Query Result

SQL | Fetched 50 rows in 0.016 seconds

	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