



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECD2523 - DATABASE

SECTION 10

SQL 4 : DML 3 PART 2

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Section 6 Lesson 9 Exercise 2: Joining Tables Using JOIN

Write SELECT Statements Using Data From Multiple Tables Using Equijoins and Non-Equijoins (S6L9 Objective 1)

Part 1 : Use a Self-Join to Join a Table to Itself (S6L9 Objective 2)

1. Write a query that will display who the supervisor is for each of the sales representatives. The information should be displayed in two columns, the first column will be the first name and last name of the sales representative and the second will be the first name and last name of the supervisor. The column aliases should be Rep and Supervisor.

The screenshot shows the SQL Developer interface. The 'SQL Commands' tab is active, displaying the following query:

```
1 SELECT
2 sr.first_name || ' ' || sr.last_name AS "Rep",
3 s.first_name || ' ' || s.last_name AS "Supervisor"
4 FROM sales_representatives sr JOIN sales_representatives s
5 ON sr.supervisor_id = s.id;
```

The 'Results' tab is also active, showing the output of the query. The results are displayed in a table with two columns: 'Rep' and 'Supervisor'.

Rep	Supervisor
Barry Speed	Charles Raymond
Victoria Wright	Charles Raymond
Charles Raymond	Charles Raymond

3 rows returned in 0.02 seconds [Download](#)

Part 2 : Use OUTER joins (S6L9 Objective 3)

1. Write a query that will display all of the team and customer information even if there is no match with the table on the left (team).

