

## SECD2523 SECTION 10

LECTURER: ROZILAWATI BINTI DOLLAH @ MD ZAIN

PROJECT TITLE: SQL LAB3 (DML3) PART2

| NAME                           | MATRIC NUMBER |
|--------------------------------|---------------|
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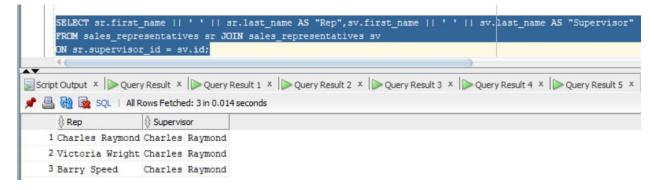
## Part 1: Use a Self-Join to Join a Table to Itself (S6L9 Objective 2)

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.

SELECT sr.first\_name || ' ' || sr.last\_name AS "Rep",sv.first\_name || ' ' || sv.last\_name AS "Supervisor"

FROM sales\_representatives sr JOIN sales\_representatives sv

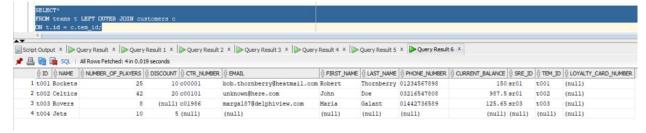
ON sr.supervisor id = sv.id;



## 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).

SELECT\*
FROM teams t LEFT OUTER JOIN customers c
ON t.id = c.tem\_id;



## Part 3 : Generating a Cartesian Product (S6L9 Objective 4)

1. Create a Cartesian product between the customer and sales representative tables

SELECT\*

FROM customers

CROSS JOIN sales representatives;

