



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF COMPUTING
UTM Johor Bahru

SECD2523
SECTION 10

LECTURER: ROZILAWATI BINTI DOLLAH @ MD ZAIN

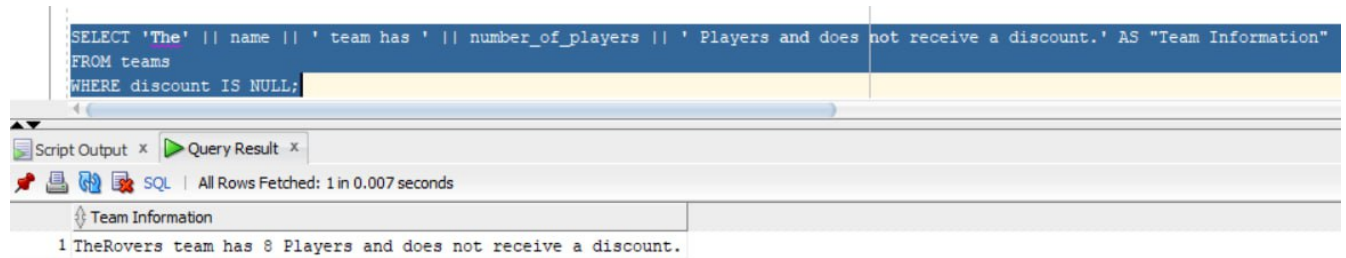
PROJECT TITLE:
SQL LAB3
(DML2)
PART4

NAME	MATRIC NUMBER
NADIA SYAHADAH BINTI SAHARUDIN	A22EC0225

Part 1: Using the NULL Conditions

1. Write a query that will display information for teams that don't receive a discount in the following format: The Rovers team has 25 players and does not receive a discount. Use Team Information as the column alias.

```
SELECT 'The ' || name || ' team has ' || number_of_players || ' Players does  
not receive a discount.' AS "Team Information"  
FROM teams  
WHERE discount IS NULL;
```

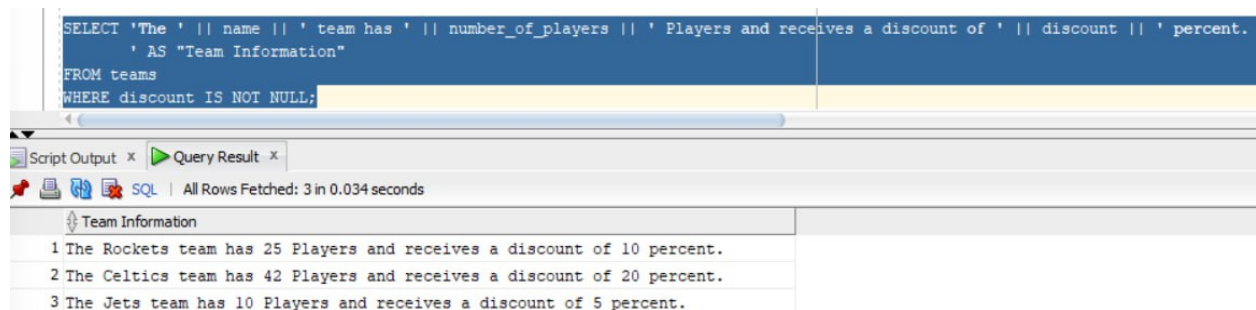


The screenshot shows the SQL Developer interface. The query editor at the top contains the SQL query. Below it, the 'Query Result' tab is active, displaying the results of the query. The status bar indicates 'All Rows Fetched: 1 in 0.007 seconds'. The results table has one column, 'Team Information', and one row of data.

Team Information
1 TheRovers team has 8 Players and does not receive a discount.

2. Write a query that will display information for only teams that receive a discount in the following format: The Rockets team has 25 players and receives a discount of 10 percent. Use Team Information as the column alias.

```
SELECT 'The ' || name || ' team has ' || number_of_players || ' Players and  
receives a discount of ' || discount || ' percents.' AS "Team Information"  
FROM teams  
WHERE discount IS NOT NULL;
```



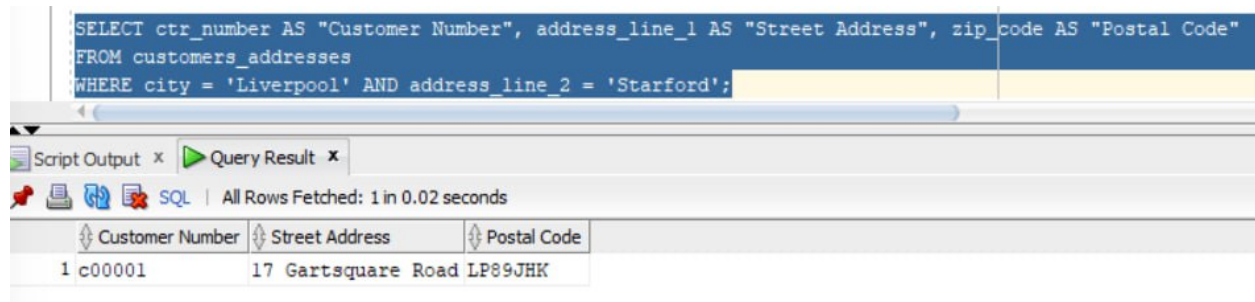
The screenshot shows the SQL Developer interface. The query editor at the top contains the SQL query. Below it, the 'Query Result' tab is active, displaying the results of the query. The status bar indicates 'All Rows Fetched: 3 in 0.034 seconds'. The results table has one column, 'Team Information', and three rows of data.

Team Information
1 The Rockets team has 25 Players and receives a discount of 10 percent.
2 The Celtics team has 42 Players and receives a discount of 20 percent.
3 The Jets team has 10 Players and receives a discount of 5 percent.

Part 2: Logical Operators: AND

1. Write a query that will display the customer number, address line 1 and postal code for customers that live in the starford area of Liverpool. Use Customer Number, Street Address and Postal Code as the column aliases.

```
SELECT ctr_number AS "Customer Number", address_line_1 AS "Street  
Address", zip_code AS "Postal Code"  
FROM customers_addresses  
WHERE city = 'Liverpool' AND address_line_2 = 'Starford';
```



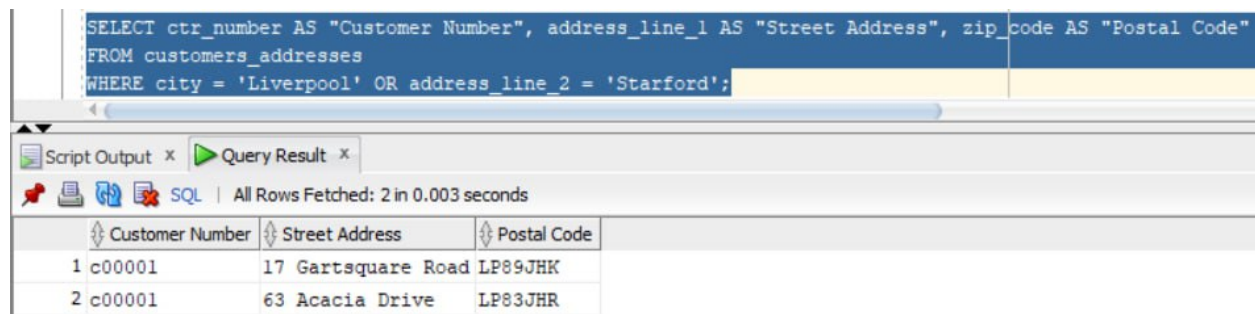
The screenshot shows a SQL query execution window. The query is: `SELECT ctr_number AS "Customer Number", address_line_1 AS "Street Address", zip_code AS "Postal Code" FROM customers_addresses WHERE city = 'Liverpool' AND address_line_2 = 'Starford';`. The results are displayed in a table with three columns: Customer Number, Street Address, and Postal Code. Only one row is returned.

Customer Number	Street Address	Postal Code
1 c00001	17 Gartsquare Road	LP89JHK

Part 3: Logical Operators: OR

1. Write a query that will display the customer number, address line 1 and postal code for customers that live in either starford or Liverpool in general. Use Customer Number, Street Address and Postal Code as the column aliases.

```
SELECT ctr_number AS "Customer Number", address_line_1 AS "Street  
Address", zip_code AS "Postal Code"  
FROM customers_addresses  
WHERE city = 'Liverpool' OR address_line_2 = 'Starford';
```



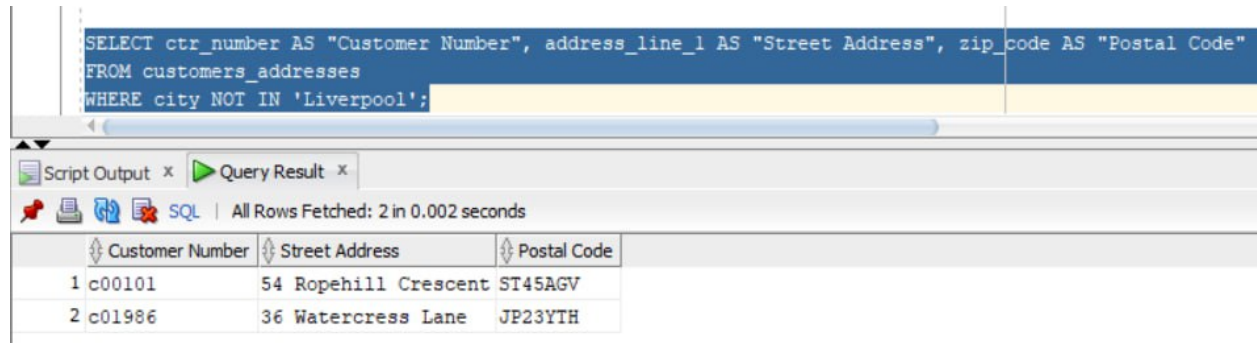
The screenshot shows a SQL query execution window. The query is: `SELECT ctr_number AS "Customer Number", address_line_1 AS "Street Address", zip_code AS "Postal Code" FROM customers_addresses WHERE city = 'Liverpool' OR address_line_2 = 'Starford';`. The results are displayed in a table with three columns: Customer Number, Street Address, and Postal Code. Two rows are returned.

Customer Number	Street Address	Postal Code
1 c00001	17 Gartsquare Road	LP89JHK
2 c00001	63 Acacia Drive	LP83JHR

Part 4: Logical Operators: NOT Equal To

1. Write a query that will display the customer number, address line 1 and postal code for customers that do not live in Liverpool. Use Customer Number, Street Address and Postal Code as the column aliases.

```
SELECT ctr_number AS "Customer Number", address_line_1 AS "Street  
Address", zip_code AS "Postal Code"  
FROM customers_addresses  
WHERE city NOT IN 'Liverpool';
```



The screenshot shows a SQL query editor with a query window and a results window. The query window contains the following SQL query:

```
SELECT ctr_number AS "Customer Number", address_line_1 AS "Street Address", zip_code AS "Postal Code"  
FROM customers_addresses  
WHERE city NOT IN 'Liverpool';
```

The results window shows the following data:

	Customer Number	Street Address	Postal Code
1	c00101	54 Ropehill Crescent	ST45AGV
2	c01986	36 Watercress Lane	JP23YTH