



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**SECD2523 - DATABASE**

**SECTION 10**

**SQL 3 : DML 2 PART 4**

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## Section 6 Lesson 7 Exercise 2: Restricting Data Using WHERE

### Limit rows using WHERE (S6L7 Objective 1)

In this exercise you will refine the data that is returned in your query by adding a WHERE clause to your SELECT statement.

#### 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.

The screenshot shows the SQL Developer interface with the following SQL query:

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

The results pane shows one row:

Team Information
The Rovers team has 8 players and does not receive a discount.

1 rows returned in 0.01 seconds

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.

The screenshot shows the SQL Developer interface with the following SQL query:

```
1 SELECT 'The ' || name || ' team has ' || number_of_players || ' players and does not receive a discount ' || discount || ' percents. '
2 AS "Team Information"
3 FROM teams
4 WHERE discount IS NOT NULL;
```

The results pane shows three rows:

Team Information
The Jets team has 10 players and does not receive a discount 5 percents.
The Rockets team has 25 players and does not receive a discount 10 percents.
The Celtics team has 42 players and does not receive a discount 20 percents.

3 rows returned in 0.03 seconds

## 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.

The screenshot shows the SQL Developer interface with the following SQL query:

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

The results tab shows one row of data:

Customer Number	Street Address	Postal Code
c00001	17 Gartsquare Road	LP89JHK

1 rows returned in 0.03 seconds

## 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.

The screenshot shows the SQL Developer interface with the following SQL query:

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

The results tab shows two rows of data:

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

2 rows returned in 0.01 seconds

## 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.

↑ SQL Commands

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

Results Explain Describe Saved SQL History

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

2 rows returned in 0.01 seconds Download

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