



**UTM**  
**UNIVERSITI TEKNOLOGI MALAYSIA**

**SECD 2523 - 10**  
**(DATABASE)**

**LAB 3: SQL 3 DML 2**

**PART 4**

**PREPARED FOR:**

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**SEMESTER 20232024 – 1**

**SECTION 10**

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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.

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

Team Information	
The Rovers team has 8 Player and does not receive a discount.	
1 rows returned in 0.01 seconds	<a href="#">Download</a>

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 || ' player and receive a discount of ' || discount || ' percents.' AS "Team Information"
FROM teams
WHERE discount is NOT NULL;
```

Team Information	
The Rockets team has 25 player and receive a discount of 10 percents.	
The Celtics team has 42 player and receive a discount of 20 percents.	
The Jets team has 10 player and receive a discount of 5 percents.	

## 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';
```

Customer Number	Street Address	Postal Code
c00001	17 Gartsquare Road	LP89JHK
1 rows returned in 0.03 seconds <a href="#">Download</a>		

## 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';
```

Customer Number	Street Address	Postal Code
c00001	17 Gartsquare Road	LP89JHK
c00001	63 Acacia Drive	LP83JHR
2 rows returned in 0.01 seconds <a href="#">Download</a>		

## 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';
```

Customer Number	Street Address	Postal Code
c00101	54 Ropehill Crescent	ST45AGV
c01986	36 Watercress Lane	JP23YTH
2 rows returned in 0.03 seconds <a href="#">Download</a>		