



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

UNIVERSITI TEKNOLOGI MALAYSIA

SEMESTER 1, SESSION 2023/2024

LAB 3 – DML 2 PART 4

SECD2523: DATABASE

SECTION 10

NAME: LIEW YONG ZHENG

MATRIC NUMBER: A23CS5008

LECTURER'S NAME: Mrs. ROZILAWATI BINTI DOLLAH

Section 6 Lesson 7 Exercise 2: Restricting Data Using WHERE

PART 1: Using the NULL Conditions

1.

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

Results Explain Describe Saved SQL History

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

1 rows returned in 0.01 seconds [Download](#)

2.

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

Results Explain Describe Saved SQL History

Team Information
The Rockets team has 25 players and receives a discount of 10 percent.
The Celtics team has 42 players and receives a discount of 20 percent.

2 rows returned in 0.00 seconds [Download](#)

PART 2: Logical Operators: AND

1.

```
1 SELECT
2   ctr_number AS "Customer Number",
3   address_line_1 AS "Street Address",
4   zip_code AS "Postal Code"
5 FROM customers_addresses
6 WHERE city = 'Liverpool' AND zip_code = 'LP89JHK';
```

Results Explain Describe Saved SQL History

Customer Number	Street Address	Postal Code
c00001	17 Gartsquare Road	LP89JHK

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

PART 3: Logical Operators: OR

1.

```
1 SELECT
2   c.ctr_number AS "Customer Number",
3   ca.address_line_1 AS "Street Address",
4   ca.zip_code AS "Postal Code"
5 FROM
6   customers c
7 JOIN
8   customers_addresses ca ON c.ctr_number = ca.ctr_number
9 WHERE
10  ca.city = 'Starford' OR ca.city = 'Liverpool';
```

Results Explain Describe Saved SQL History

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

2 rows returned in 0.00 seconds Download

PART 4: Logical Operators: NOT Equal To

1.

```
1 SELECT
2   c.ctr_number AS "Customer Number",
3   ca.address_line_1 AS "Street Address",
4   ca.zip_code AS "Postal Code"
5 FROM
6   customers c
7 JOIN
8   customers_addresses ca ON c.ctr_number = ca.ctr_number
9 WHERE
10  ca.city <> '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