UNIVERSITI TEKNOLOGI MALAYSIA

SEMESTER 1, SESSION 2023/2024

LAB 3 – DML 2 PART 3

SECD2523: DATABASE

SECTION 10

NAME: LIEW YONG ZHENG

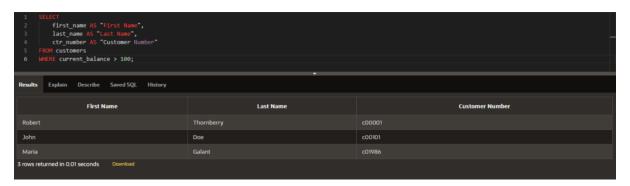MATRIC NUMBER: A23CS5008

LECTURER'S NAME: Mrs. ROZILAWATI BINTI DOLLAH

Section 6 Lesson 7 Exercise 1: Restricting Data Using WHERE

PART 1: Using the WHERE Clause

1.

```
1  SELECT *
2  FROM customers
3  WHERE ctr_number = 'c01986';
```

Results Explain Describe Saved SQL History

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANCE	SRE_ID	TEM_ID	LOYALTY_CARD_NUMBER
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65	sr03	t003	-

1 rows returned in 0.01 seconds   Download

2.

```
1  SELECT
2      first_name AS "First Name",
3      last_name AS "Last Name",
4      ctr_number AS "Customer Number"
5  FROM customers
6  WHERE current_balance > 100;
```

Results Explain Describe Saved SQL History

First Name	Last Name	Customer Number
Robert	Thornberry	c00001
John	Doe	c00101
Maria	Galant	c01986

3 rows returned in 0.01 seconds   Download

3.

```
1  SELECT
2      id AS "Order ID",
3      odr_date AS "Order Date",
4      odr_time AS "Order Time"
5  FROM orders
6  WHERE odr_date < TO_DATE('28-May-2019', 'DD-Mon-YYYY');
```

Results Explain Describe Saved SQL History

Order ID	Order Date	Order Time
or0101250	04/17/2017	04/17/2017
or0101350	05/24/2017	05/24/2017
or0101425	05/28/2017	05/28/2017
or0101681	06/02/2017	06/02/2017
or0101750	06/18/2017	06/18/2017

5 rows returned in 0.03 seconds   Download

PART 2: Range Conditions: BETWEEN Operator

1.

```
1   SELECT
2       id AS "Inventory ID",
3       cost AS "Cost",
4       units AS "Number of Units"
5   FROM inventory_list
6   WHERE cost BETWEEN 3.00 AND 15.00;
```

Results   Explain   Describe   Saved SQL   History

Inventory ID	Cost	Number of Units
il010230125	7.99	250
il010230126	5.24	87

2 rows returned in 0.02 seconds   Download

PART 3：Membership Conditions: IN Operator

1.

```
1   SELECT
2       id AS "Inventory ID",
3       cost AS "Cost",
4       units AS "Number of Units"
5   FROM inventory_list
6   WHERE units IN (50, 100, 150, 200);
```

Results   Explain   Describe   Saved SQL   History

Inventory ID	Cost	Number of Units
il010230124	2.5	100

1 rows returned in 0.00 seconds   Download

PART 4：Membership Conditions: NOT IN Operator

1.

```
1   SELECT
2       id AS "Inventory ID",
3       cost AS "Cost",
4       units AS "Number of Units"
5   FROM inventory_list
6   WHERE units NOT IN (50, 100, 150, 200);
```

Results   Explain   Describe   Saved SQL   History

Inventory ID	Cost	Number of Units
il010230125	7.99	250
il010230126	5.24	87
il010230127	18.95	65
il010230128	97.46	8

4 rows returned in 0.01 seconds   Download

PART 5：Pattern Matching: LIKE Operator

1.

```
1  SELECT
2      itm_number AS "Item Number",
3      name AS "Item Name"
4  FROM items
5  WHERE name LIKE 'g%';
```

Results   Explain   Describe   Saved SQL   History

Item Number	Item Name
im01101044	gloves
im01101047	game top

2 rows returned in 0.00 seconds   Download

PART 6：Pattern Matching: Combining Wildcard Characters with the LIKE Operator

1.

```
1  SELECT
2      itm_number AS "Item Number",
3      name AS "Item Name"
4  FROM items
5  WHERE name LIKE '%o%';
```

Results   Explain   Describe   Saved SQL   History

Item Number	Item Name
im01101044	gloves
im01101046	socks
im01101047	game top

3 rows returned in 0.01 seconds   Download