FACULTY OF COMPUTING
UTM Johor Bahru

SECD 2523
SECTION 10

LECTURER: ROZILAWATI BINTI DOLLAH @ MD ZAIN

PROJECT TITLE: SQL LAB3 (DML2) PART3

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PART 1: Using the WHERE Clause.

1. Using the unique customer number in the where clause display all columns for Maria Galant.
   SELECT* FROM customers WHERE ctr_number = 'c01986';

CTR_NUMBER	EMAIL	FIRST_NAME	LAST_NAME	PHONE_NUMBER	CURRENT_BALANC
c01986	margal87@delphiview.com	Maria	Galant	01442736589	125.65

SRE_ID	TEM_ID	LOYALTY_CARD_
sr03	t003	-

2. Display the first name, last name and customer number for all customers who have a current balance of greater than 100. Use an appropriate alias for your column headings.
   SELECT first_name AS "First Name", last_name AS "Last Name", ctr_number AS "Customer Number" FROM customers WHERE current_balance > 100;

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

3. Display the order id, date and time of all orders that were placed before the 28th of May 2019. Use an appropriate alias for your column headings.
   SELECT id AS "Order ID", odr_date AS "Order Date", odr_time AS "Order Time" FROM orders WHERE odr_date < TO_DATE ('28-05-2019', 'DD-MM-YYYY');

Order ID	Order Date	Order Time
or0101250	17-APR-17	17-APR-17
or0101350	24-MAY-17	24-MAY-17
or0101425	28-MAY-17	28-MAY-17
or0101681	02-JUN-17	02-JUN-17
or0101750	18-JUN-17	18-JUN-17

PART 2: Range Conditions: BETWEEN Operator

1. Display the inventory id, cost and number of units using appropriate aliases for all items that have a trade cost of between 3.00 and 15.00.
   SELECT id AS "Inventory ID", cost AS "Cost", units AS "Number of Units" FROM inventory_list WHERE cost BETWEEN 3.00 AND 15.00;

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

PART 3: Membership Conditions: IN Operator

1. Display the inventory id, cost and number of units using appropriate aliases for all items that have 50, 100, 150 or 200 units in stock.
   SELECT id AS "Inventory ID", cost AS "Cost", units AS "Number of Units" FROM inventory_list WHERE units IN ('50', '100', '150', '200');

Inventory ID	Cost	Number of Units
il010230124	2.5	100

PART 4: Membership Conditions: NOT IN Operator

1. Display the inventory id, cost and number of units using appropriate aliases for all items that do not have 50, 100, 150 or 200 units in stock.
   SELECT id AS "Inventory ID", cost AS "Cost", units AS "Number of Units" FROM inventory_list WHERE units NOT IN ('50', '100', '150', '200');

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

PART 5: Pattern Matching: LIKE Operator

1. Display item number and name of all items that have a name that begins with g. Use an appropriate alias for your column headings.
SELECT itm_number AS "Item Number", name AS "Item Name" FROM items WHERE name LIKE 'g%';

Item Number	Item Name
im01101044	gloves
im01101047	game top

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

1. Display item number and name of all items that have a name that contain a lowercase o. Use an appropriate alias for your column headings
SELECT itm_number AS "Item Number", name AS "Item Name" FROM items WHERE name LIKE '%o%';

Item Number	Item Name
im01101044	gloves
im01101046	socks
im01101047	game top