* Lab Exercise

SQL 3 DML2

Ex # 1

* Part # 1

1) SELECT * FROM customer;

2) SELECT * FROM teams;

3) SELECT * FROM items;

* Part # 2

1) SELECT customer-number, fName, lName, email, phone-num FROM customer;

2) SELECT name, number-ply FROM Team;

3) SELECT name, desc, catg FROM iteam;

* Ex # 2

* Part # 1

1) SELECT fname, lname, curr-baln, curr-baln/12 FROM customer;

2) SELECT fname, lename, num, curr-baln, curr-baln - 5 FROM customer;

3) * Problem: • curr-baln/12 won't be called Monthly payment

• curr-baln - 5 won't be called

* Part # 2

1) SELECT fname AS "First Name", lname AS "Last Name", curr-baln AS "Balance", curr-baln/12 AS "Monthly Repayments" FROM customer;

*Part 3:

1) SELECT name ||' team has ' || number_ply ||' players and receives

a discount of '|| discount || ' percent' AS "Team Information"

|FROM team;

2) Because they don't have discount; NULL.

*Ex 3

*Part 1:

1) SELECT * FROM customers

WHERE ctr_number = 'col986';

2) SELECT first_name, last_name, ctr_number FROM customers

WHERE current_balance > 100;

3) SELECT id AS "Order Id", odr_date AS "Order Date", odr_time AS "Time"

FROM orders

WHERE odr_date = '28-MAY-2019';

*Part 2:

1) SELECT id AS "Inventory Id", cost AS "Cost", units AS "No. of units"

FROM inventory_list

WHERE cost BETWEEN 3.00 AND 15.00;

*Part 3:

1) SELECT id AS "InvID", cost AS "InvCost", units AS "InvUnits"

FROM inventory_list

WHERE units IN (50, 100, 150, 200);

* Part 4

1] SELET id AS "InvID", cost AS "InvCost", units AS "InvUnits" FROM
   inventory
   WHERE   units   NOT IN (50, 100, 150, 200);

*Part 5

* % → Zero or more characters
* _ → Only 1 character
* Use ESCAPE + escape_character to treat a wildcard character
  as a literal character.

*Part 5

1] SELET itm_number AS "Item Number", name AS "Name"
         FROM   items
         WHERE   name   LIKE 'g%';

*Part 6

1] SELET itm_number AS "Item Number", name AS "Name"
         FROM   items
         WHERE   name LIKE '%0%';

*Ex 1,

*Part 1

*.NULL condition will test if any of the columns have a null value.
IS

*Part 1:

1) SELECT 'The '|| name ||' team has '|| number_of_players
|| ' players and does not receive a discount:'
AS "Team information" FROM teams
WHERE discount IS NULL;

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

*Part 2:

1) SELECT id AS "Customer Number", address_line_1 AS "Street Address",
zip_code AS "Postal Code" FROM customers_addresses
WHERE address_line_1 = 'Star ford'
AND city = 'Liverpool';

*Part #3

1) SELECT id AS "Customer Number", address_line_1 AS "Street Address",
zip_code AS "Postal Code" FROM customers_addresses
WHERE address_line_1 = 'Star ford'
OR city = 'Liverpool';

*Part 4

1) SELECT id AS "Customer Number", address_line_1 AS "Street Address",
         zip_code AS "Postal Code" FROM customers_addresses
            WHERE city NOT IN ('liverpool');

*Ex 5

* Rules of precedence important *Page idk! look around!
* Order by *important

*Ex 5

*Part 1

1) SELECT name AS "Team Name", number_of_players AS "No. of players"
     FROM teams
       ORDER BY name;

2) SELECT name AS "Team Name", number_of_players AS "No. of players"
     FROM teams
       ORDER BY number_of_players DESC;

3) SELECT name AS "Team Name", number_of_players AS "Player"
     FROM teams
       ORDER BY "Team Name" DESC;

* Ex 6

Part 1:

1) SELECT ROWNUM AS "Rank", first_name, last_name, (all name
   AS Customer Name

       FROM
         (SELECT first_name || ' ' || last_name AS "Customer Name"
             FROM customers ;)
         WHERE ROWNUM <= 8 ;

Part 2:

1) SELECT first_name AS "First Name", last_name AS "Last Name"
       FROM sales_representatives
       WHERE commission_rate = n:Sale_rate ;
       ORDER BY last_name ;