

No.:

Date:

NOOR ALIYAH (A22EC0234)

~~Lab 3 - DML~~

SQL3-DML2

Part 1

PART 1

1. SELECT *
FROM customers;

2. SELECT *
FROM teams;

3. SELECT *
FROM items;

Part 2

1. SELECT ctr-number, first-name, last-name, email, phone-number
FROM customers;

2. SELECT name, number-of-players
FROM teams;

3. SELECT name, description, category
FROM items;

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PART 2

Part 1

1. `SELECT first_name, last_name, current_balance, current_balance / 12
FROM customers;`

2. `SELECT first_name, last_name, ctr_number, current_balance, current_balance - 5.00
FROM customers;`

3. It is hard for people to understand column header as an arithmetic expression.

part 2

1. `SELECT first_name AS "First Name", last_name AS "Last Name",
current_balance AS "Balance", current_balance / 12 AS "Monthly Repayments"
FROM customers;`

2. Part 3

1. `SELECT 'The' || name || 'team has' || number_of_players || 'players and
receives a discount of' || discount || 'percent.'
AS "Team Information"
FROM teams;`

2. Because the last team has NULL discount value,

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SQL3 - DML2 - PART 3

Part 1

1. SELECT *
FROM customers
WHERE ctr-number = 'C01986';
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", ~~OR ODR-DATE~~ "ORDER DATE"
ODR-TIME AS "ORDER TIME"
FROM ORDERS
WHERE ODR-DATE < TO-DATE('28-May-2019', 'DD-MM-YYYY');

Part 2

1. SELECT id AS "Inventory ID", cost AS "Cost", units AS "Number of Units"
FROM inventory-list
WHERE cost BETWEEN 3.00 AND 15.00;

Part 3

1. SELECT id AS "Inventory ID", cost AS "Cost", units AS "Number of Units"
FROM inventory-list
WHERE units IN (50, 100, 150, 200);

Part 4

1. SELECT id AS "Inventory ID", cost AS "Cost", units AS "Number of Units"
FROM inventory-list
WHERE units NOT IN (50, 100, 150, 200);

Part 5

1. SELECT itm-number AS "Item Number", name AS "Item Name"
FROM items
WHERE name LIKE 'g%';

Part 6

1. SELECT itm-number AS "Item Number", name AS "Item Name"
FROM items
WHERE name LIKE '%o%';

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SQL3-DML2-PART 4

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 receive a discount of ' || discount || 'percent.'  
    AS "Team Information"  
    FROM teams  
    WHERE WHERE discount IS NOT NULL;
```

Part 2

```
1. SELECT ctr-number "Customer Number", address-line-1 "Street Address",  
    zip-code "Postal Code"  
    FROM customers-addresses  
    WHERE city = 'Liverpool' AND address-line-2 = 'Starford';
```

Part 3

```
1. SELECT ctr-number "Customer Name Number", ADDRESS-LINE-1 address-line-1 "Street Address",  
    zip-code "Postal Code"  
    FROM customers-addresses  
    WHERE city = 'Liverpool' AND OR address-line-2 = 'Starford';
```

Part 4

```
1. SELECT ctr-number "Customer Number", address-line-1 "Street Address",  
    zip-code "Postal Code"  
    FROM customers-addresses  
    WHERE city <> 'Liverpool';
```


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SQL3- DML2 - PART5

Part 1

1. SELECT name "Team Name", number-of-players "Number of Players"
FROM teams
ORDER BY name;

2. SELECT name "Team Name", number-of-players "Number of Players"
FROM teams
ORDER BY number-of-players DESC,

3. SELECT name "Team Name", ~~number-of-players~~ "Number of Players"
FROM teams
ORDER BY name DESC;

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SAL3 - DML 2 - PART 6

Part 1

```
#  
SELECT ROWNUM AS "Customer Number"  
SELECT ROWNUM "Number"  
1. SELECT ROWNUM AS "NUMBER", FIRST_NAME || ' ' || LAST_NAME AS  
"Customer Name", CTR_NUMBER  
FROM (SELECT FIRST_NAME, LAST_NAME, CTR_NUMBER  
FROM CUSTOMERS  
ORDER BY CTR_NUMBER)  
WHERE ROWNUM <= 3;
```

Part 2

```
1. SELECT FIRST_NAME AS "First Name", LAST_NAME AS "Last Name",  
COMMISSION_RATE AS "Commission Rate"  
FROM SALES_REPRESENTATIVES  
WHERE COMMISSION_RATE = : comm NEW-COM-RATE  
ORDER BY LAST-NAME;
```