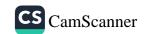Name : AINA NURAIN BINTI MOHD AROFF.
Matrics Num. : B23CS0022.
Subject : DATABASE (LAB 3)

* SQL 3 — DML 2 (Exercise 1)

Part 1.
1. customers.   = SELECT * FROM customers ;

2. teams.   = SELECT * FROM teams ;

3. items   = 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 ;

* SQL 3 — DML 2 (Exercise 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 allows values to go below 0, causing some customers to have
   negative balance.

①

Part 2

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

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 discount value for the last team is NULL.

* SQL 3 — DML 2 (Exercise 3)

Part 1

1. SELECT *
   FROM customers
   WHERE ctr_number = 'C01986';

2. SELECT first_name "First Name", last_name "Last Name", ctr_number
   "Customer Number"
   FROM customers
   WHERE current_balance > 100;

3. SELECT id "Order Id", odr_date "Order date", odr_time "Order
   time"
   FROM orders
   WHERE odr_date < '28-May-2019';

Part 2

1. SELECT id "Inventory Id", cost "Cost", units "Units"
   FROM inventory_list
   WHERE cost BETWEEN 3.00 AND 15.00;

②

Part 3

```sql
1. SELECT id "Inventory Id", cost "Cost", units "Number of Units"
   FROM inventory_list
   WHERE units IN ('50', '100', '150', '200');
```

Part 4

```sql
1. SELECT id "Inventory Id", cost "Cost", units "Number of Units"
   FROM inventory_list
   WHERE units NOT IN ('50', '100', '150', '200');
```

Part 5

```sql
1. SELECT itm_number "Item Number", name "Name"
   FROM items
   WHERE name LIKE 'g%';
```

Part 6

```sql
1. SELECT itm_number "Item Number", name "Name"
   FROM items
   WHERE name LIKE '%o%';
```

★ SQL 3 - DML 2 (Exercise 4)

Part 1

```sql
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;
```

```sql
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;
```

③

Part 2

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

Part 3

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

Part 4

1. SELECT ctr-number "Customer Number", address-line-1 "Street Address",
           zip-code "Postal Code"
   FROM customers-addresses
   WHERE city NOT IN ('Liverpool');

* **SQL 3 - DML 2 (Exercise 5)**

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 "Players"
   FROM teams
   ORDER BY name DESC;

④

* SQL 3 — DML 2 (Exercise 6)

Part 1

1. ~~SELECT first_name|| ''||last_name As Customer:~~

1. SELECT first_name || ` ' || last_name AS "Customer Name"
   FROM customers
   ORDER BY ctr_number
   FETCH FIRST 3 ROWS ONLY;

2. ACCEPT commission_rate NUMBER PROMPT `Enter sales commission rate!
   SELECT first_name "First Name", last_name "Last Name"
   FROM sales_representatives
   WHERE commission_rate = commission_rate
   ORDER BY last_name;