AHMAD HAZIM BIN AHMAD NAJMI

A22EC0034

SECTION 02

PART 1

1)

a- SELECT * FROM customers

b- SELECT * FROM teams

c- SELECT * FROM items

2)

1- SELECT ctr_number, first_name, last_name, phone_number

FROM customers

2- SELECT name, number_of_players

FROM teams

3- SELECT name, description, category

FROM items

PART 2

1)

1- SELECT first_name, last_name, current_balance/12

FROM customers

2- SELECT first_name, last_name, current_balance, current_balance - 5

FROM customers

3- The calculation will get negative value while the constraints for the

current balance is >=0. So the only column will be calculated

2)

1- SELECT first_name "First Name", last_name "Last Name", current_balance "Balance", current_balance /12 "Monthly Repayments"

FROM customers

2- SELECT `The '|| name || `team has' || number_of_players || `players and does not receive a discount of ' AS "Team Information"

FROM teams

3- There is null value in the discount column for the Rovers team

PART 3

1)

1- SELECT * FROM customers

WHERE ctr_number = `201986'

2- SELECT first_name, last_name, ctr_number

FROM customers

WHERE current_balance >= 100

3- SELECT id, odr_date, odr_time

FROM orders

WHERE odr_date < `28 - May - 2019'

2)

1- Elect id, cost, units

FROM inventory_list

```
    WHERE cost BETWEEN 3.00 AND 15.00
2- SELECT id, cost, units
   FROM inventory_list
   WHERE units IN (50, 100, 150, 200)
3- SELECT id, cost, units
   FROM inventory_list
   WHERE units NOT IN (50, 100, 150, 200)
3)
1- SELECT itm_number, name
   FROM items
   WHERE name LIKE 'g%'
2- SELECT itm_number "Item Number", name
   FROM items
   WHERE name LIKE '_0%'
```

PART 4

1)
```
1- SELECT 'The '|| name ||' team has' || number_of_players || 'players and does not receive a discount of' AS "Team Information"
   FROM teams
   WHERE discount is NULL
2- SELECT 'The '|| name ||' team has' || number_of_players || 'players and does not receive a discount of' AS "Team Information"
   FROM teams
   WHERE discount = 10
3- 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';
```

2)
```
1- SELECT ctr_number "Customer Number", address_line_1 "Street Address", zip_code "Postal Code"
   FROM customers_addresses
   WHERE city = 'Liverpool'
   OR address_line_2 = 'Starford';
2- SELECT ctr_number "Customer Number", address_line_1 "Street Address", zip_code "Postal Code"
   FROM customers_addresses
   WHERE city NOT IN 'Liverpool'
```

PART 5

```
1- SELECT name "Team name", number_of_players "Number_of_players"
   FROM teams
   ORDER BY name ASC

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 "Player"
   FROM teams
   ORDER BY DESC
```

PART 6

1- SELECT ROWNUM , first_name || ` ` || last_name "Customer Name"
   FROM (SELECT first_name , last_name
          FROM customers
          ORDER BY ROWNUM ASC)
          WHERE ROWNUM <= 3

2- SELECT first_name , last_name "Last name", commission_rate "Commission Rate"
   FROM sales_representatives
   WHERE commission_rate = com_rate
   ORDER BY last_name