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Section : 06

Due date : 21 / 12 / 2023

Title : SQL 3 - DML 2

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 ;

PART 2

Part 1

1. SELECT first_name, last_name, current_balance / 12 AS monthly_payment
FROM customers ;
2. SELECT first_name, last_name, ctr-number, current_balance,
current_balance - 5 AS balance_minus_giftvalue
FROM customers ;
3. The columns name are less descriptive and clarity.

Part 2

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

Part 3

1. SELECT
name || ' team has ' || number_of_players || ' players and receives
a discount of ' || TO_CHAR(discount) || ' percent.'
AS "Team Information"
FROM teams ;
2. It is because the last team has NULL value on discount.

PART 3

Part 1

1. SELECT * FROM customers
WHERE ctr_number = 'C01986';
2. SELECT
first_name AS "First Name",
last_name AS "Last Name",
ctr_number AS "Customer Number"
FROM customers WHERE current_balance > 100;
3. SELECT
id AS "Order ID",
odr_date AS "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 "Name"

FROM items WHERE name LIKE 'g%';

Part 6

1. SELECT

itm_number AS "Item Number",

name AS "Name"

FROM items WHERE name LIKE '%o%';

PART 4

Part 1

1. SELECT

name || ' team has ' || number-of-players || ' players and does not receives a discount AS "Team Information"

FROM teams

WHERE discount IS NULL;

2. SELECT

name || ' team has ' || number-of-players || ' players and receives a discount of ' || TO_CHAR(discount) || ' percent" AS "Team Information"

FROM teams

WHERE discount IS NOT NULL;

Part 2

1. SELECT

ctm-number AS "Customer Number",

address-line-1 AS "Street Address",

zip-code AS "Postal Code"

FROM customers_addresses

WHERE address-line-2 = 'Starford' AND city = 'Liverpool';

Part 3

1. SELECT

ctm-number AS "Customer Number",

address-line-1 AS "Street Address",

zip-code AS "Postal Code"

FROM customers_addresses

WHERE address-line-2 = 'Starford' OR city = 'Liverpool';

Part 4

1. SELECT

```
cfm-number AS "Customer Number",  
address_line_1 AS "Street Address",  
zip_code AS "Postal Code"
```

```
FROM customers_addresses
```

```
WHERE city != 'Liverpool';
```

PART 5

1. SELECT

```
name AS "Team Name",  
number_of_players AS "Number of Players"  
FROM teams ORDER BY name ASC;
```

2. SELECT

```
name AS "Team Name",  
number_of_players AS "Number of Players"  
FROM teams ORDER BY number_of_players DESC;
```

3. SELECT

```
name AS "Team Name",  
number_of_players AS "Players"  
FROM teams ORDER BY "Team Name" DESC;
```

PART 6

Part 1

1. SELECT

first_Name || ' ' || last_name AS "Customer Name"

FROM customers WHERE ROWNUM <= 3 ORDER BY ctr_number;

Part 2

2. SELECT

first_Name AS "First Name",

last_Name AS "Last Name"

FROM

sales_representatives

WHERE

comission_rate = :rate

ORDER BY

last_name;