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Section : 06 - DML 2 (SQL 3)

Part 1.

- ① 1. SELECT * FROM customers;
 2. SELECT * FROM teams;
 3. SELECT * FROM items;
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- 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

- 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 clarity and descriptive.

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;
```

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. The last team has NULL value on discount.

Part 3.

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');
```

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;
```

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);
```

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);
```

⑤ 1. SELECT

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

⑥ SELECT

```
itm_number AS "Item Number",
name AS "Name"
FROM items WHERE name LIKE '%o%';
```

Part 4.

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;

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';

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' AND City = 'Liverpool';

④ 1. SELECT

```
ctm_number AS "Customer Number",  
address_line_1 AS "Street Address",  
zip_code AS "Postal Code"  
FROM customers_addresses WHERE City != 'Liverpool';
```

Part 5.

① 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.

① 1. SELECT

```
first_name || last_name AS "Customer Name"  
FROM customers WHERE ROWNUM <= 3 ORDER BY ctr_number;
```

② 1. SELECT

```
first_name AS "First Name",  
last_name AS "Last Name"  
FROM sales_representatives WHERE comission_rate = :rate ORDER BY last_name;
```