

# SQL 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;`

## SQL Part 2

Part 1:

1. `SELECT first_name, last_name, current_balance, current_balance/12 AS monthly_payment  
FROM customers;`
2. `SELECT first_name, last_name, current_balance, current_balance - 5.00 AS after_minus  
FROM customers;`
3. There possibility get a negative value after minus

Part 2 :

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

Part 3: 1.

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

2. It is because there got NULL value

# SQL Part 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", current_balance "Current Balance"  
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;`
- Part 3:
1. `SELECT id "Inventory ID", cost "Cost", units "Units"  
FROM inventory_list  
WHERE units IN (50,100,150,200);`
- Part 4:
1. `SELECT id "Inventory ID", cost "Cost", units "Units"  
FROM inventory_list  
WHERE units NOT IN (50,100,150,200);`
- Part 5:
1. `SELECT itm_number "Item Number", name "Item Number"  
FROM items  
WHERE name LIKE 'g%';`
- Part 6:
1. `SELECT itm_number "Item Number", name "Item Number"  
FROM items  
WHERE name LIKE 'o%';`

## SQL 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;
```

Part 2: 1.

```
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;
```

Part 3: 1. SELECT ctr\_number "Customer Number", address\_line\_1 "Street Address", zip\_code "Postal Code"  
FROM customer\_addresses  
WHERE address\_line\_2 = 'stanford' AND city = 'Liverpool';

Part 4: 1. SELECT ctr\_number "Customer Number", address\_line\_1 "Street Address", zip\_code "Postal Code"  
FROM customer\_addresses  
WHERE city != 'Liverpool';

## SQL Part 5

Part 1: 1. SELECT name "Team Name", number\_of\_players "Number of Players"  
FROM teams  
ORDER BY name ASC;

Part 2: 1. SELECT name "Team Name", number\_of\_players "Number of Players"  
FROM teams  
ORDER BY number\_of\_players DESC;

Part 3: 1. SELECT name "Team Name", number\_of\_players "Players"  
FROM teams  
ORDER BY "Team Name" DESC;

# SQL Part 6

Part 1: 1. `SELECT first_name || ' ' || last_name AS "Customer Name"`  
`FROM customers`  
`WHERE ROWNUM <= 3`  
`ORDER BY ctr-number;`

Part 2: 1. `SELECT first_name "First Name", last_name "Last Name"`  
`FROM sales_representatives`  
`WHERE commission_rate = :rate`  
`ORDER BY last_name;`