Ecommerce database

```
CREATE TABLE PRODUCT (
  P_ID INT PRIMARY KEY,
    Name VARCHAR(255),
    Price DECIMAL(10, 2),
    Description TEXT
);

-- insert
INSERT INTO PRODUCT VALUES (01, 'Table', 600, 'Brown colour Table with height 5.5m, length 6.5m and width 2m');
INSERT INTO PRODUCT VALUES (02, 'Chair', 400, 'Blue Colour Chair');
INSERT INTO PRODUCT VALUES (03, 'Book', 100, '250 pages A4 size');

SELECT * FROM PRODUCT WHERE Price = 600;
SELECT COUNT(*) AS total_product FROM PRODUCT;

CREATE TABLE Orders (
  O_ID INT PRIMARY KEY,
     O_Amount DECIMAL(10, 2),
     O_Date DATE
);

INSERT INTO Orders VALUES (01, 600, '2023-10-29');
INSERT INTO Orders VALUES (02, 400, '2023-10-27');
INSERT INTO Orders VALUES (03, 100, '2023-10-15');

SELECT * FROM Orders WHERE O_Amount = 400;

SELECT SUM(O_Amount) AS total_amount FROM Orders;
SELECT AVG(O_Amount) AS average_amount FROM Orders;
```

```
SELECT COUNT(O_ID)
FROM Orders
ORDER BY O_ID ;

SELECT COUNT(O_ID)
FROM Orders
GROUP BY O_ID ;

SELECT PRODUCT.P_ID, PRODUCT.Name, PRODUCT.Price FROM PRODUCT
INNER JOIN Orders
ON PRODUCT.P_ID = Orders.O_ID;

SELECT PRODUCT.P_ID, PRODUCT.Name, PRODUCT.Price, Orders.O_ID,Orders.O_Amount FROM
PRODUCT
LEFT JOIN Orders
ON PRODUCT.Price = Orders.O_Amount;

SELECT PRODUCT.P_ID, PRODUCT.Name,Orders.O_ID,Orders.O_Amount FROM PRODUCT
RIGHT JOIN Orders
ON PRODUCT.P_ID = Orders.O_ID;

CREATE TABLE Customer (
    User_ID INT PRIMARY KEY,
    Name VARCHAR(255),
    Email VARCHAR(255),
    Password VARCHAR(255)
);

INSERT INTO Customer VALUES (10001, 'Sushmitha', 'sushmitha123@gmail.com', 'sush@123');
INSERT INTO Customer VALUES (10002, 'Rahul', 'rahul@gmail.com', 'rahul@123');
INSERT INTO Customer VALUES (10003, 'Pallavi', 'pallavi@gmail.com', 'pallu@123');

SELECT * FROM Customer WHERE Name = 'Sushmitha';
```

```
CREATE TABLE Payment (
    Payment_ID INT PRIMARY KEY,
    Type VARCHAR(50),
    Amount DECIMAL(10, 2)
);

INSERT INTO Payment VALUES (1001, 'UPI', 600);
INSERT INTO Payment VALUES (1002, 'Credit Card', 400);
INSERT INTO Payment VALUES (1003, 'Cash', 100);

SELECT * FROM Payment WHERE Payment_ID = 1002;

CREATE TABLE Cart (
    Cart_ID INT PRIMARY KEY,
    User_ID INT,
    FOREIGN KEY (User_ID) REFERENCES Customer(User_ID)
);

INSERT INTO Cart VALUES (1100, 10001);
INSERT INTO Cart VALUES (1202, 10002);
INSERT INTO Cart VALUES (1210, 10003);

SELECT * FROM Cart WHERE Cart_ID = 1210;

CREATE TABLE Category (
    C_ID INT PRIMARY KEY,
    Name VARCHAR(255),
    Description TEXT
);

-- insert
```

INSERT INTO Category VALUES (15001, 'Furniture', 'This category includes the items related to the furniture such as tables, chairs,etc.');

INSERT INTO Category VALUES (15002, 'Electronics', 'This category includes the items related to the electronics such as mobiles, laptops,etc.');

INSERT INTO Category VALUES (15003, 'Books & Education', 'This category includes the items related to the books such as books, study materials,etc.');

SELECT * FROM Category WHERE Name = 'Furniture';

Screenshots of the output:

Output:

```
+------+-------+--------+-----------------------------------------------------------------+
| P_ID | Name  | Price  | Description                                                     |
+------+-------+--------+-----------------------------------------------------------------+
|    1 | Table | 600.00 | Brown colour Table with height 5.5m, length 6.5m and width 2m |
+------+-------+--------+-----------------------------------------------------------------+
+------+----------+------------+
| O_ID | O_Amount | O_Date     |
+------+----------+------------+
|    2 |   400.00 | 2023-10-27 |
+------+----------+------------+
+-------------+
| COUNT(O_ID) |
+-------------+
|           3 |
+-------------+
```

```
+---------------+
| total_product |
+---------------+
|             3 |
+---------------+
```

```
+--------------+
| total_amount |
+--------------+
|      1100.00 |
+--------------+
```

```
+-----------------+
| average_amount  |
+-----------------+
|      366.666667 |
+-----------------+
```

```
+--------------+
| COUNT(O_ID) |
+--------------+
|            1 |
|            1 |
|            1 |
+--------------+
```

```
+------+-------+--------+
| P_ID | Name  | Price  |
+------+-------+--------+
|    1 | Table | 600.00 |
|    2 | Chair | 400.00 |
|    3 | Book  | 100.00 |
+------+-------+--------+
```

```
+------+-------+--------+------+----------+
| P_ID | Name  | Price  | O_ID | O_Amount |
+------+-------+--------+------+----------+
|    1 | Table | 600.00 |    1 |   600.00 |
|    2 | Chair | 400.00 |    2 |   400.00 |
|    3 | Book  | 100.00 |    3 |   100.00 |
+------+-------+--------+------+----------+
```

```
+---------+----------+----------------------+----------+
| User_ID | Name     | Email                | Password |
+---------+----------+----------------------+----------+
|   10001 | Sushmitha | sushmitha123@gmail.com | sush@123 |
+---------+----------+----------------------+----------+
```

```
+------------+-------------+--------+
| Payment_ID | Type        | Amount |
+------------+-------------+--------+
|       1002 | Credit Card | 400.00 |
+------------+-------------+--------+
```

```
+---------+---------+
| Cart_ID | User_ID |
+---------+---------+
|    1210 |   10003 |
+---------+---------+
```

```
+-------+-----------+-----------------------------------------------------------------------------------------+
| C_ID  | Name      | Description                                                                             |
+-------+-----------+-----------------------------------------------------------------------------------------+
| 15001 | Furniture | This category includes the items related to the furniture such as tables, chairs,etc. |
+-------+-----------+-----------------------------------------------------------------------------------------+
```