SQL Queries on Online food ordering system.

Build a dummy database for Zomato with multiple tables and try to find an answer for the following question:

1. Write a SQL query to find the number of Zomato users

2. Write a SQL query to find details of Zomato delivery Boy

3. Write a SQL query to find the list of Zomato users who made more than 10 orders in a particular month

4. Write a SQL query to find top 10 Zomato delivery Boy on basis of customer rating and time to deliver the item

5. Write a SQL query to find the list of Zomato users who order food from the same restaurants more than 3 times in a week

TABLE CREATION:

```
CREATE TABLE Customer (Cust_id integer, Cust_name VARCHAR(20));


INSERT INTO Customer VALUES (1,"Tinna");
INSERT INTO Customer VALUES (2,"Lalith");
INSERT INTO Customer VALUES (3,"prince");
INSERT INTO Customer VALUES (4,"Joseph");
INSERT INTO Customer VALUES (5,"Robert");
INSERT INTO Customer VALUES (6,"Ruby");
INSERT INTO Customer VALUES (7,"Aarti");
INSERT INTO Customer VALUES (8,"Abi");
INSERT INTO Customer VALUES (9,"Sam");
INSERT INTO Customer VALUES (10,"Priya");
INSERT INTO Customer VALUES (11,"Ramya");
INSERT INTO Customer VALUES (12,"Ram");
INSERT INTO Customer VALUES (13,"Prince");
INSERT INTO Customer VALUES (14,"Joe");
INSERT INTO Customer VALUES (15,"Ayush");
INSERT INTO Customer VALUES (16,"Lekha");
INSERT INTO Customer VALUES (17,"Samiya");
INSERT INTO Customer VALUES (18,"Latha");
INSERT INTO Customer VALUES (19,"Tarun");
INSERT INTO Customer VALUES (20,"Sita");
INSERT INTO Customer VALUES (21,"Tinna");
INSERT INTO Customer VALUES (22,"Rupa");
INSERT INTO Customer VALUES (23,"Aarti");
INSERT INTO Customer VALUES (24,"Abiram");
INSERT INTO Customer VALUES (25,"Rani");


CREATE TABLE DeliveryBoy (DelBoy_id integer, DelBoy_name VARCHAR(20));


INSERT INTO DeliveryBoy VALUES (1,"Raja");
INSERT INTO DeliveryBoy VALUES (2,"Mohan");
INSERT INTO DeliveryBoy VALUES (3,"Ramu");
INSERT INTO DeliveryBoy VALUES (4,"Suriya");
INSERT INTO DeliveryBoy VALUES (5,"Hari");
INSERT INTO DeliveryBoy VALUES (6,"Rajesh");
INSERT INTO DeliveryBoy VALUES (7,"Manohar");
INSERT INTO DeliveryBoy VALUES (8,"Samuel");
INSERT INTO DeliveryBoy VALUES (9,"Sathya");
INSERT INTO DeliveryBoy VALUES (10,"Himanshu");
```

```
INSERT INTO DeliveryBoy VALUES (11,"Raja");
INSERT INTO DeliveryBoy VALUES (12,"Mohan");
INSERT INTO DeliveryBoy VALUES (13,"Ramu");
INSERT INTO DeliveryBoy VALUES (14,"Suriya");
INSERT INTO DeliveryBoy VALUES (15,"Hari");


CREATE TABLE OrderDetails (Order_id integer, Order_date date, Order_rating float,
Order_timetaken time, Order_food VARCHAR(20), Order_App VARCHAR(20),
Order_Restaurant VARCHAR(20), Cust_id INTEGER REFERENCES Customer(Cust_id),
DelBoy_id INTEGER REFERENCES DeliveryBoy(DelBoy_id));



INSERT INTO OrderDetails VALUES
("1",date("2018-02-03"),"3.5",time("00:20:10"),"Thali","Zomato","Meghna",2,2);
INSERT INTO OrderDetails VALUES
("2",date("2018-04-22"),"4.5",time("00:30:20"),"Roti","UberEats","R K Foods",5,1);
INSERT INTO OrderDetails VALUES
("3",date("2018-05-27"),"3.5",time("00:25:05"),"Sandwich","Zomato","Ashaas tiifin
centre",6,4);
INSERT INTO OrderDetails VALUES
("4",date("2018-01-13"),"4.5",time("00:20:00"),"Lassi","Zomato","Meghna",7,3);
INSERT INTO OrderDetails VALUES
("5",date("2018-02-05"),"3.5",time("00:23:00"),"Thali","Swiggy","Ashaas tiifin centre",1,5);
INSERT INTO OrderDetails VALUES
("6",date("2018-12-03"),"4.5",time("00:30:30"),"Thali","Swiggy","Barbaque",3,15);
INSERT INTO OrderDetails VALUES
("7",date("2018-10-22"),"3.5",time("00:20:10"),"Thali","FoodPanda","Meghna",4,14);
INSERT INTO OrderDetails VALUES
("8",date("2018-12-27"),"4.5",time("00:20:00"),"Sandwich","FoodPanda","Ashaas tiifin
centre",8,13);
INSERT INTO OrderDetails VALUES
("9",date("2018-01-23"),"3.5",time("00:20:40"),"Icecream","Swiggy","Barbaque",9,12);
INSERT INTO OrderDetails VALUES
("10",date("2018-02-25"),"4.5",time("00:30:00"),"Thali","FoodPanda","Meghna",10,11);
INSERT INTO OrderDetails VALUES
("11",date("2018-02-22"),"3.5",time("00:40:00"),"Thali","FoodPanda","Meghna",25,10);
INSERT INTO OrderDetails VALUES
("12",date("2018-06-20"),"4.5",time("00:35:00"),"Roti","FoodPanda","Ashaas tiifin
centre",24,9);
INSERT INTO OrderDetails VALUES
("13",date("2018-07-27"),"3.5",time("00:23:00"),"Sandwich","Swiggy","Barbaque",23,8);
INSERT INTO OrderDetails VALUES
("14",date("2018-01-13"),"4.5",time("00:20:00"),"Lassi","Swiggy","Barbaque",22,7);
```

```
INSERT INTO OrderDetails VALUES
("15",date("2018-09-05"),"4.0",time("00:20:00"),"Thali","FoodPanda","Ashaas tiifin
centre",21,6);
INSERT INTO OrderDetails VALUES
("16",date("2018-11-03"),"4.5",time("00:20:00"),"Thali","FoodPanda","Meghna",20,5);
INSERT INTO OrderDetails VALUES
("17",date("2018-01-22"),"3.0",time("00:23:00"),"Thali","Zomato","Meghna",19,4);
INSERT INTO OrderDetails VALUES
("18",date("2018-10-27"),"3.0",time("00:23:00"),"Sandwich","FoodPanda","Ashaas tiifin
centre",18,3);
INSERT INTO OrderDetails VALUES
("19",date("2018-01-16"),"3.0",time("00:23:00"),"Icecream","Zomato","Meghna",17,2);
INSERT INTO OrderDetails VALUES
("20",date("2018-02-18"),"3.5",time("00:23:00"),"Thali","Zomato","Meghna",16,1);
INSERT INTO OrderDetails VALUES
("21",date("2018-02-04"),"3.0",time("00:20:10"),"Thali","Zomato","Meghna",16,2);
INSERT INTO OrderDetails VALUES
("22",date("2018-04-12"),"4.0",time("00:20:00"),"Roti","UberEats","R K Foods",15,3);
INSERT INTO OrderDetails VALUES
("23",date("2018-05-07"),"3.5",time("00:20:10"),"Sandwich","FoodPanda","Ashaas tiifin
centre",14,4);
INSERT INTO OrderDetails VALUES
("24",date("2018-02-03"),"3.0",time("00:20:10"),"Thali","FoodPanda","Meghna",13,5);
INSERT INTO OrderDetails VALUES
("25",date("2018-04-04"),"3.0",time("00:20:10"),"Roti","UberEats","R K Foods",12,6);
INSERT INTO OrderDetails VALUES
("26",date("2018-05-05"),"4.5",time("00:20:10"),"Sandwich","FoodPanda","Ashaas tiifin
centre",11,7);
INSERT INTO OrderDetails VALUES
("27",date("2018-02-06"),"4.5",time("00:23:00"),"Thali","UberEats","R K Foods",10,8);
INSERT INTO OrderDetails VALUES
("28",date("2018-04-28"),"4.5",time("00:23:00"),"Roti","FoodPanda","Meghna",9,9);
INSERT INTO OrderDetails VALUES
("29",date("2018-05-06"),"3.5",time("00:23:00"),"Sandwich","UberEats","R K Foods",8,10);
INSERT INTO OrderDetails VALUES
("30",date("2018-02-09"),"4.5",time("00:20:10"),"Thali","UberEats","R K Foods",7,11);
INSERT INTO OrderDetails VALUES
("31",date("2018-04-20"),"3.5",time("00:24:10"),"Roti","FoodPanda","Meghna",6,12);
INSERT INTO OrderDetails VALUES
("32",date("2018-05-23"),"3.5",time("00:21:10"),"Sandwich","UberEats","R K Foods",5,13);
INSERT INTO OrderDetails VALUES
("33",date("2018-02-06"),"4.5",time("00:25:10"),"Thali","UberEats","R K Foods",4,14);
INSERT INTO OrderDetails VALUES
("34",date("2018-04-20"),"3.5",time("00:23:00"),"Roti","FoodPanda","Meghna",3,15);
INSERT INTO OrderDetails VALUES
("35",date("2018-05-21"),"4.5",time("00:20:10"),"Sandwich","FoodPanda","Meghna",2,16);
```

SQL QUERIES:

/*Write a SQL query to find the number of Zomato users*/

```
SELECT count(DISTINCT Cust_Id)
FROM OrderDetails
where Order_App = 'Zomato' ;
```

/*Write a SQL query to find details of Zomato delivery Boy*/

```
SELECT DISTINCT DelBoy_Name
FROM OrderDetails,DeliveryBoy
where Order_App = 'Zomato' AND OrderDetails.Delboy_Id=DeliveryBoy.Delboy_Id;
```

/*Write a SQL query to find the list of Zomato users who made more than 10 orders in a particular month*/

```
SELECT Cust_Name FROM OrderDetails,Customer
where Order_App = 'Zomato' AND Orderdetails.Cust_id=Customer.Cust_id AND
strftime('%m', Order_Date)='02' GROUP BY Orderdetails.Cust_id HAVING
COUNT(Orderdetails.Cust_Id)>10 ;
```

/*Write a SQL query to find top 10 Zomato delivery Boy on basis of customer rating and time to deliver the item*/

```
select DISTINCT DelBoy_Name
from OrderDetails,DeliveryBoy
where Order_App = 'Zomato' AND OrderDetails.Delboy_Id=DeliveryBoy.Delboy_Id
order by Order_rating
limit 10;

select DISTINCT DelBoy_Name
from OrderDetails,DeliveryBoy
where Order_App = 'Zomato' AND OrderDetails.Delboy_Id=DeliveryBoy.Delboy_Id
order by Order_timetaken
limit 10;
```

/*Write a SQL query to find the list of Zomato users who order food from the same restaurants more than 3 times in a week*/

```
SELECT COUNT(*) , Order_Restaurant , strftime('%w',Order_date)
FROM OrderDetails,Customer
where Order_App = 'Zomato' AND OrderDetails.Cust_Id=Customer.Cust_Id
group by Order_Restaurant, strftime('%w',Order_date)
having count (strftime('%w',Order_date)) >1;
```