Task - 2

The SQL commands to create, insert, select and display a table for an online food ordering system.

1. Create Tables

a) Customer Table :

```
Create Table
    Customers (customerID INT PRIMARY KEY, Name VARCHAR(100),
        Email VARCHAR(100), phone number VARCHAR(15),
        Address VARCHAR(255) );
```

b) FoodItems Table :

```
Create Table
    FoodItems (FoodID INT PRIMARY KEY, FoodName VARCHAR(100),
        Price DECIMAL(10,2), Category VARCHAR(50) );
```

This is the sample how your commands are executed in the fig.

c) Orders Table :

```
Create Table Orders (OrderID INT PRIMARY KEY, CustomerID INT,
        Orderdate DATE, Total Amount DECIMAL(10,2),
        Foreign key (CustomerID) REFERENCES Customers
            (customerID) );
```

d) Order details Table

```
Create Table Orderdetails (
        Order detailsID INT
        PRIMARY KEY , OrderID INT, FOODID INT, Quantity INT
```

```
Subtotal DECIMAL(10,2), Foreign key(Order ID)
REFERENCES Orders(Order ID), Foreign key
(Food ID) REFERENCES
FoodItems(Food ID) );
```

2. Insert Records

a) Insert into Customers Table

```
INSERT
INTO Customers (CustomerID, Name, Email, PhoneNumber, Address)
VALUES (1, 'John Doe', 'john.doe@example.com', '1234567890', '123 Elm
Street');
INSERT INTO Customers (CustomerID, Name, Email, PhoneNumber, Address)
VALUES (2, 'Jane Smith', 'jane.smith@example.com', '9876543210', '456
                Oak Avenue');
SELECT * FROM Customers ;
```

b) Insert into FoodItems Table

```
INSERT
  INTO FoodItems (FoodID, FoodName, Price, Category) VALUES (1, 'Cheese
Pizza', 8.99, 'Pizza');
INSERT
  INTO FoodItems(FoodID, FoodName, Price, Category) VALUES (2, 'Chicken
Burger', 5.49, 'Burger');
```

```
INSERT
 INTO FoodItems (FoodID, FoodName, Price, Category) VALUES (3, 'Veggie
Salad', 4.99, 'Salad');
INSERT
INTO FoodItems (FoodID, FoodName, Price, Category) VALUES (4, 'Chocolate
Cake', 3.99, 'Dessert');
SELECT * FROM FoodItems ;
```

c) Insert into Orders Table

```
INSERT
    INTO Orders (OrderID, CustomerID,
Order date, TotalAmount) VALUES (1 Orders, 1, DATE '2025-01-03', 18.47);
INSERT
   INTO Orders (orderID, Customer ID, Order date, Total Amount)
   VALUES (2, 2, DATE '2025-01-03', 9.48);
SELECT * FROM Orders ;
```

d) Insert into Order Details Table

```
INSERT INTO Orderdetails (Orderdetail ID, OrderID, FoodID, Quantity,
Subtotal) VALUES (1, 1, 1, 2, 17.98);
INSERT INTO Orderdetails (Order Detail ID, Order ID, Food ID, Quantity
Subtotal) VALUES (2, 1, 4, 1, 3.99);
INSERT INTO OrderDetails (Order Detail ID, OrderID, FoodID, Quantity
Subtotal) VALUES (3, 2, 2, 1, 5.49);
```

OrderID	Customer ID	Order Name	Total Amount
1	1	2025-01-03	18.47
2	2	2025-01-03	9.48

Order Detail ID	Order ID	Food ID	Quantity	Subtotal
1	1	1	2	17.98
2	2	4	1	3.99
3	3	2	1	6.49
4	4	3	1	4.99

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SIGN WITH DATE	

```
INSERT INTO Orderdetails (OrderDetailID, OrderID, FoodID, Quantity, Subtotal)
VALUES (4,2,3,1,4.99);
SELECT * FROM OrderDetails;
```

3. Select Data

a) Select All Customers:

```
SELECT * FROM customers;
```

b) Select All foodItems:

```
SELECT * FROM FoodItems;
```

c) Select All orders:

```
SELECT * FROM Orders;
```

d) Select All Orderdetails:

```
SELECT * FROM OrderDetails
```

FoodID	FoodName	Price	Category
1)	Cheese Pizza	899	Pizza
2)	Chicken Burger	549	Burger
3)	Veggie Salad	499	Salad
4)	Chocolate Cake	399	Dessert