

Task 2

Allocating raw data

```
SQLQuery2.sql - L...UOK99KF\USER (64)) * X LAPTOP-PUOK99KF...merce - Diagram_0* CreateTable
46 (105,6,3,2,40)
47
48 SELECT * FROM Customers
49 SELECT * FROM Orders
50 SELECT * FROM Products
51 SELECT * FROM OrderItems
52
```

Customer_id	First_name	Last_name	Email	Phone
1	Carlos	Leon	somewhere@gmail.com	2020202020
2	Luisa	Ruiz	here@hotmail.com	533202020
3	Roberto	Contreras	guate@gmail.com	315202063

Order_id	Customer_id	Order_date
1	1	2023-03-29
2	2	2023-04-05
3	3	2023-04-20
4	4	2023-06-28
5	5	2023-07-15
6	6	2023-08-07
7	7	2023-08-20
8	8	2023-08-25

Product_id	Product_name	Price	Stock_quantity
1	Jelly	50	10
2	Pizza	100	20
3	Cereal	20	5
4	Milk	10	50
5	Ice Cream	5	100
6	Chocolate	5	60
7	Popcorn	7	15

Order_item_id	Order_id	Product_id	Quantity	Subtotal
1	100	1	5	10
2	101	2	1	2
3	102	3	7	2
4	103	4	2	1
5	104	5	4	1
6	105	6	3	2

1) Insert a product

```
56 --1. Insert product
57 INSERT INTO Products
58 VALUES
59 (8,'Laptop', 1000, 50)
60
61 SELECT * FROM Products
```

Product_id	Product_name	Price	Stock_quantity
1	Jelly	50	10
2	Pizza	100	20
3	Cereal	20	5
4	Milk	10	50
5	Ice Cream	5	100
6	Chocolate	5	60
7	Popcorn	7	15
8	Laptop	1000	50

2) Update product id

```
63 --2. Update product id
64 UPDATE Products SET Product_id = 75
65 WHERE Product_id = 3
66
67 SELECT * FROM Products
```

Product_id	Product_name	Price	Stock_quantity
1	Jelly	50	10
2	Pizza	100	20
4	Milk	10	50
5	Ice Cream	5	100
6	Chocolate	5	60
7	Popcorn	7	15
8	Laptop	1000	50
75	Cereal	20	5

3) Delete an order

```
69 --3. Delete an order
70
71 INSERT INTO OrderItems
72 VALUES
73 (106,10,5,10,50)
74
75 SELECT * FROM OrderItems
76
77 DELETE FROM OrderItems
```

Before deletion

Order_item_id	Order_id	Product_id	Quantity	Subtotal
100	1	5	10	50
101	2	1	2	100
102	3	7	2	30
103	4	2	1	100
104	5	4	1	10
105	6	6	2	10
106	10	5	10	50

After

```
77 DELETE FROM OrderItems
78 WHERE Order_id = 10
79
80 DELETE FROM Orders
81 WHERE Order_id = 10
82
83 SELECT * FROM OrderItems
84 SELECT * FROM Orders
```

Order_item_id	Order_id	Product_id	Quantity	Subtotal
100	1	5	10	50
101	2	1	2	100
102	3	7	2	30
103	4	2	1	100
104	5	4	1	10
105	6	6	2	10

Order_id	Customer_id	Order_date
1	1	2023-03-29
2	3	2023-04-05
3	2	2023-04-20
4	2	2023-06-28
5	3	2023-07-15
6	1	2023-08-07
7	2	2023-08-20
8	3	2023-08-25
9	2	2023-09-10

Task 2

4) Retrieve the customer's first and last names

```
86 -- 4. Get Customers' names
87 SELECT First_name, Last_name FROM Customers
88 WHERE Customer_id IN (SELECT Customer_id FROM Orders
89 WHERE Order_id = 5)
90
91
```

Results Messages

First_name	Last_name
Roberto	Contreras

5) Calculate total revenue

```
91 --5. Getting total revenue
92 SELECT SUM (Subtotal) as 'SubTotal'
93 FROM OrderItems
```

%

Results Messages

SubTotal
300