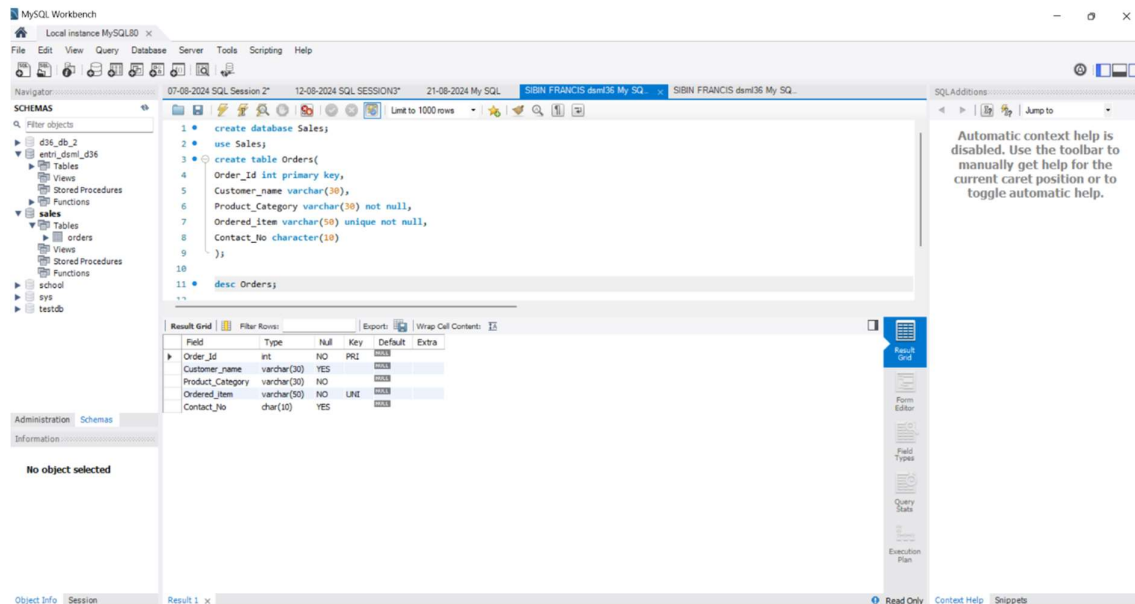
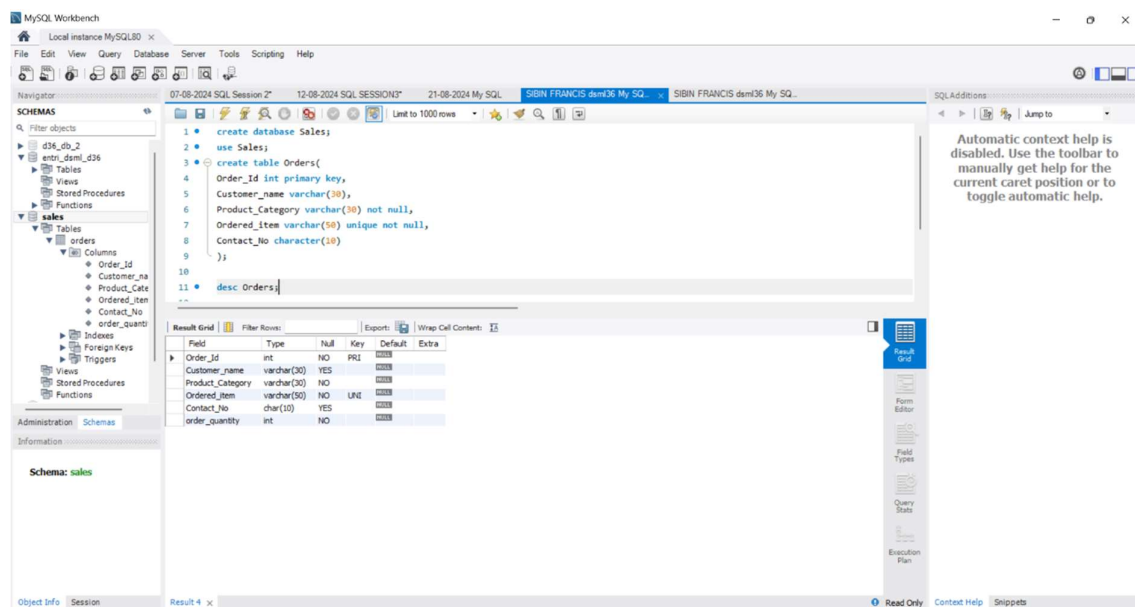


# DDL CONSTRAINTS

- CREATED DATA BASE **SALES**
- CREATED TABLE **ORDERS**
- DISPLAYING THE TABLE



- ADDING A NEW COLUMN **ORDER\_QUANTITY**

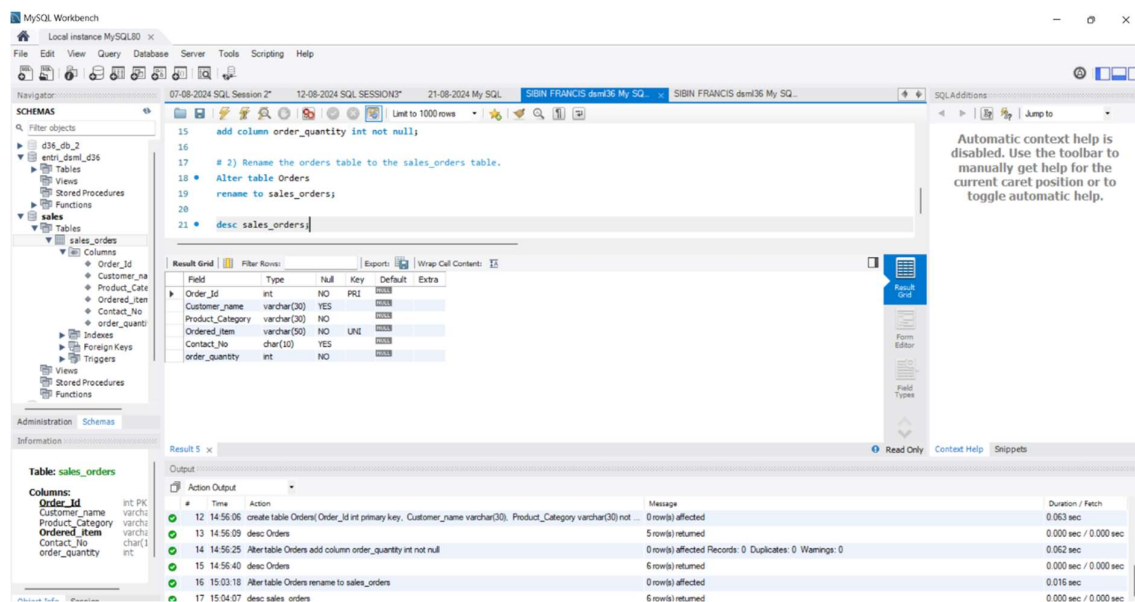


```

4 Order_Id int primary key,
5 Customer_name varchar(30),
6 Product_Category varchar(30) not null,
7 Ordered_item varchar(50) unique not null,
8 Contact_No character(10)
9 };
10
11 • desc Orders;
12
13 # 1) Add a new column named "order_quantity" to the orders table.
14 • Alter table Orders
15 add column order_quantity int not null;
16
17 # 2) Rename the orders table to the sales_orders table.
18 • Alter table Orders
19 rename to sales_orders;
20
21 • desc sales_orders;
22
23 # 3 Insert 10 rows into the sales_orders table.
24 • insert into sales_orders values

```

- **RENAMED ORDERS TO SALES\_ORDERS**
- **DESCRIBING SALES\_ORDERS**



- **INSERTING VALUES INTO THE SALES\_ORDERS**

```

23 # 3 Insert 10 rows into the sales_orders table.
24 • insert into sales_orders values
25 (111, 'Abhijith', 'Electronics', 'Laptop', '9142315895', 1),
26 (222, 'Deepu', 'Home Appliances', 'Microwave', '9567724688', 2),
27 (333, 'Gokul', 'Electronics', 'Smartphone', '8606495819', 1),
28 (444, 'Hari', 'Beauty', 'Perfume', '8901234567', 1),
29 (555, 'Ivan', 'Sports', 'Basketball', '9012345678', 2),
30 (666, 'Jibin', 'Furniture', 'Sofaset', '9562113963', 2),
31 (777, 'Manu', 'Clothing', 'Jeans', '9074464862', 3),
32 (888, 'Pran', 'Personal Care', 'Hair Serum', '8891972903', 5),
33 (999, 'Salman', 'Books', 'Novel', '7736262928', 4),
34 (1010, 'Sante', 'Electronics', 'Tablet', '8075508257', 1);
35
36 • select * from sales_orders;
37
38 --

```

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

07-08-2024 SQL Session 2\* 12-08-2024 SQL SESSION3\* 21-08-2024 My SQL SIBIN FRANCIS dem36 My SQ... SIBIN FRANCIS dem36 My SQ...

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Filter objects

d36\_db\_2

entri\_dsmi\_d36

Tables

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sales

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sales\_orders

Columns

Order\_Id

Customer\_name

Product\_cate

Ordered\_item

Contact\_No

order\_quantity

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Foreign Keys

Triggers

Views

Stored Procedures

Functions

Administration Schemas

Information

Table: sales\_orders

Columns:

Order\_Id int PK

Customer\_name varchar

Product\_Category varchar

Ordered\_item varchar

Contact\_No char(1)

order\_quantity int

Object Info Session sales\_orders x

Apply Revert Context Help Snippets

```
29 (555, 'Evan', 'Sports', 'Basketball', '9012345678', 2),
30 (666, 'Jibin', 'Furniture', 'Sofaset', '9562113963', 2),
31 (777, 'Manu', 'Clothing', 'Jeans', '9074464862', 3),
32 (888, 'Pran', 'Personal Care', 'Hair Serum', '8891972903', 5),
33 (999, 'Salman', 'Books', 'Novel', '7736262928', 4),
34 (1010, 'Sante', 'Electronics', 'Tablet', '8075508257', 1);
35
36 select * from sales_orders;
37
38
39
```

Order_Id	Customer_name	Product_Category	Ordered_item	Contact_No	order_quantity
111	Abhijth	Electronics	Laptop	9142315895	1
222	Deepu	Home Appliances	Microwave	9567724688	2
333	Gokul	Electronics	Smartphone	8606495819	1
444	Hari	Beauty	Perfume	8901234567	1
555	Ivan	Sports	Basketball	9012345678	2
666	Jibin	Furniture	Sofaset	9562113963	2
777	Manu	Clothing	Jeans	9074464862	3
888	Pran	Personal Care	Hair Serum	8891972903	5
999	Salman	Books	Novel	7736262928	4
1010	Sante	Electronics	Tablet	8075508257	1

➤ RETRIEVED CUSTOMER\_NAME AND ORDERED\_ITEM FROM THE SALES\_ORDERS TABLE.

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

07-08-2024 SQL Session 2\* 12-08-2024 SQL SESSION3\* 21-08-2024 My SQL SIBIN FRANCIS dem36 My SQ... SIBIN FRANCIS dem36 My SQ...

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Filter objects

d36\_db\_2

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Ordered\_item

Contact\_No

order\_quantity

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Views

Stored Procedures

Functions

Administration Schemas

Information

Table: sales\_orders

Columns:

Order\_Id int PK

Customer\_name varchar

Product\_Category varchar

Ordered\_item varchar

Contact\_No char(1)

order\_quantity int

Object Info Session sales\_orders x

Apply Revert Context Help Snippets

```
32 (888, 'Pran', 'Personal Care', 'Hair Serum', '8891972903', 5),
33 (999, 'Salman', 'Books', 'Novel', '7736262928', 4),
34 (1010, 'Sante', 'Electronics', 'Tablet', '8075508257', 1);
35
36 select * from sales_orders;
37
38 # 4)Retrieve customer_name and Ordered_item from the sales_orders table.
39 Select Customer_name, Ordered_item from sales_orders;
40
41
```

Customer_name	Ordered_item
Abhijth	Laptop
Deepu	Microwave
Gokul	Smartphone
Hari	Perfume
Ivan	Basketball
Jibin	Sofaset
Manu	Jeans
Pran	Hair Serum
Salman	Novel
Sante	Tablet

## ➤ USED UPDATE COMMAND TO CHANGE ORDERED\_ITEM

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

```

36 select * from sales_orders;
37
38 # 4)Retrieve customer_name and Ordered_Item from the sales_orders table.
39 Select Customer_name, Ordered_Item from sales_orders;
40
41 # 5) Use the update command to change the name of the product for any row.
42 update sales_orders
43 SET Ordered_Item = 'Smart TV' where Order_Id = 1010 ;
44
45

```

The Result Grid shows the following data:

Order_Id	Customer_name	Product_Category	Ordered_Item	Contact_No	order_quantity
111	Abhijit	Electronics	Laptop	9142315895	1
222	Dhepu	Home Appliances	Microwave	9567724688	2
333	Gokul	Electronics	Smartphone	8606495819	1
444	Hari	Beauty	Perfume	8901234567	1
555	Ivan	Sports	Basketball	9012345678	2
666	Jhon	Furniture	Sofaset	9562112963	2
777	Manu	Clothing	Jeans	9074464862	3
888	Pran	Personal Care	Hair Serum	8891972983	5
999	Salman	Books	Novel	7736262928	4
1010	Sante	Electronics	Smart TV	8075588257	1

The table structure for 'sales\_orders' is as follows:

```

Columns:
Order_Id      int PK
Customer_name varchar
Product_Category varchar
Ordered_Item  varchar
Contact_No    char(11)
order_quantity int

```

## ➤ DELETED SALES\_ORDERS TABLE

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following queries:

```

30 (666, 'Jibin', 'Furniture', 'Sofaset', '9562113963', 2);
31 (777, 'Manu', 'Clothing', 'Jeans', '9074464862', 3);
32 (888, 'Pran', 'Personal Care', 'Hair Serum', '8891972983', 5);
33 (999, 'Salman', 'Books', 'Novel', '7736262928', 4);
34 (1010, 'Sante', 'Electronics', 'Tablet', '8075588257', 1);
35
36 select * from sales_orders;
37
38 # 4)Retrieve customer_name and Ordered_Item from the sales_orders table.
39 Select Customer_name, Ordered_Item from sales_orders;
40
41 # 5) Use the update command to change the name of the product for any row.
42 update sales_orders
43 SET Ordered_Item = 'Smart TV' where Order_Id = 1010 ;
44
45 # 6) Delete the sales_orders table from the database.
46 drop table sales_orders;
47
48

```

The Output window shows the following results:

#	Time	Action	Message	Duration / Fech
19	15:17:37	select * from sales_orders LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
20	15:22:24	Select Customer_name, Ordered_Item from sales_order LIMIT 0, 1000	Error Code: 1146. Table 'sales_order' doesn't exist	0.000 sec
21	15:22:20	Select Customer_name, Ordered_Item from sales_orders LIMIT 0, 1000	10 row(s) returned	0.016 sec / 0.000 sec
22	15:50:05	update sales_orders SET Ordered_Item = 'Smart TV' where Order_Id = 1010	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.047 sec
23	15:50:14	select * from sales_orders LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
24	15:57:07	drop table sales_orders	0 row(s) affected	0.015 sec