

TASK-1

Create a database called "Sales" and create a new table named "Orders" in the Sales database with columns: (Order_Id, Customer_name, Product_Category, Ordered_item, Contact_No).

Use constraints:

- Primary Key
- Unique
- Not Null

The screenshot displays the SQL Enterprise Manager interface. On the left, the 'SCHEMAS' tree shows the 'sales' database selected, with the 'orders' table highlighted under the 'Tables' folder. The main pane shows the SQL script for creating the database and table, followed by a query to select all data from the 'orders' table. The 'Result Grid' shows the table structure with all columns set to NULL. The bottom pane shows the 'Output' window with a log of the executed commands and their results.

```
13
14 • CREATE DATABASE sales;
15 • USE sales;
16 • CREATE TABLE orders
17   ( Order_Id INT PRIMARY KEY,
18     Customer_name VARCHAR(30) NOT NULL ,
19     Product_Category VARCHAR(70) NOT NULL,
20     Ordered_item VARCHAR(50) NOT NULL,
21     Contact_No BIGINT UNIQUE);
22
23
24 • SELECT * FROM orders;
```

	Order_Id	Customer_name	Product_Category	Ordered_item	Contact_No
*	NULL	NULL	NULL	NULL	NULL

Table: orders

Columns:

- Order_Id int PK
- Customer_name varchar(30)
- Product_Category varchar(70)
- Ordered_item varchar(50)
- Contact_No bigint

Output

#	Time	Action	Message
1	14:21:49	CREATE DATABASE sales	1 row(s) affected
2	14:21:53	USE sales	0 row(s) affected
3	14:21:57	CREATE TABLE orders (Order_Id INT PRIMARY KEY, Customer_name VARCHAR(30) NOT NULL , Produc...	0 row(s) affected
4	14:22:01	SELECT * FROM orders LIMIT 0, 1000	0 row(s) returned

1. ADD A NEW COLUMN NAMED order_quantity TO THE orders TABLE

Table: **orders**

Columns:

- Order_Id** int PK
- Customer_name varchar(30)
- Product_Category varchar(70)
- Ordered_item varchar(50)
- Contact_No bigint
- order_quantity int

```
--  
22  
23  
24 • SELECT * FROM orders;  
25  
26 • ALTER TABLE orders ADD order_quantity INT;  
27
```

Result Grid

	Order_Id	Customer_name	Product_Category	Ordered_item	Contact_No	order_quantity
*	NULL	NULL	NULL	NULL	NULL	NULL

orders 22 x

Output

Action Output

#	Time	Action
3	14:21:57	CREATE TABLE orders (Order_Id INT PRIMARY KEY, Customer_name VARCHAR(30) NOT NULL , Pro
4	14:22:01	SELECT * FROM orders LIMIT 0, 1000
5	14:23:38	ALTER TABLE orders ADD order_quantity INT
6	14:23:47	SELECT * FROM orders LIMIT 0, 1000

2. RENAME THE Orders TABLES TO THE sales_orders TABLE

Table: **sales_orders**

Columns:

- Order_Id** int PK
- Customer_name varchar(30)
- Product_Category varchar(70)
- Ordered_item varchar(50)
- Contact_No bigint
- order_quantity int

```
--  
27  
28 • ALTER TABLE Orders RENAME TO Sales_orders;  
29  
30 • SELECT * FROM sales_orders;  
31
```

Result Grid

	Order_Id	Customer_name	Product_Category	Ordered_item	Contact_No	order_quantity
*	NULL	NULL	NULL	NULL	NULL	NULL

sales_orders 23 x

Output

Action Output

#	Time	Action
5	14:23:38	ALTER TABLE orders ADD order_quantity INT
6	14:23:47	SELECT * FROM orders LIMIT 0, 1000
7	14:25:04	ALTER TABLE Orders RENAME TO Sales_orders
8	14:25:09	SELECT * FROM sales_orders LIMIT 0, 1000

3. INSERT 10 ROWS INTO THE sales_orders TABLES.

The screenshot displays a database management interface with a left-hand sidebar showing a tree view of schemas. The 'sales' schema is expanded, showing the 'sales_orders' table. The main window shows a SQL editor with the following code:

```
32 • INSERT INTO sales_orders VALUES
33 (1001,"Hami","Electronics","Playstation",7754863398,1),
34 (1002,"Ridha","Stationary","Artist kit",8658350058,1),
35 (1003,"Sharbi","Food","Soft Drinks",83958830112,5),
36 (1004,"Shanza","Cosmetics","Face wash",771183528,2),
37 (1005,"Misirya","Cosmetics","Sunscren",86862999477,1),
38 (1006,"Jaza","Food","Chocolate",832039933,5),
39 (1007,"Imadh","Electronics","iPad",7739499020,1),
40 (1008,"Shazin","Electronics","MacBook ",9302749204,1),
41 (1009,"Shamwil","Stationary","Books",933034937,10),
42 (1010,"Zami","Food","Noodles",72049204404,7);
43
44 • SELECT * FROM sales_orders;
```

Below the SQL editor, the 'Result Grid' tab is active, displaying the following data:

Order_Id	Customer_name	Product_Category	Ordered_item	Contact_No	order_quantity
1001	Hami	Electronics	Playstation	7754863398	1
1002	Ridha	Stationary	Artist kit	8658350058	1
1003	Sharbi	Food	Soft Drinks	83958830112	5
1004	Shanza	Cosmetics	Face wash	771183528	2
1005	Misirya	Cosmetics	Sunscren	86862999477	1
1006	Jaza	Food	Chocolate	832039933	5
1007	Imadh	Electronics	iPad	7739499020	1
1008	Shazin	Electronics	MacBook	9302749204	1
1009	Shamwil	Stationary	Books	933034937	10
1010	Zami	Food	Noodles	72049204404	7

At the bottom, the 'Output' tab is active, showing the execution log:



#	Time	Action
11	14:27:55	INSERT INTO sales_orders VALUES (1001,"Hami","Electronics","Playstation",7754863398,1), (1002,"Ridha...
12	14:27:59	SELECT * FROM sales_orders LIMIT 0, 1000

4. RETRIEVE customer_name AND Ordered_Item FROM THE sales_orders TABLES

```
44 • SELECT * FROM sales_orders;
```


```
45
```

```
46 • SELECT Customer_name,Ordered_item FROM sales_orders;
```

Result Grid		
Filter Rows: <input type="text"/>		
Export:  Wrap Cell Content: 		
	Customer_name	Ordered_item
▶	Hami	Playstation
	Ridha	Artist kit
	Sharbi	Soft Drinks
	Shanza	Face wash
	Misirya	Sunscreen
	Jaza	Chocolate
	Imadh	iPad
	Shazin	MacBook
	Shamwil	Books
	Zami	Noodles

sales_orders26 x

Output

 Action Output

#	Time	Action
✓ 11	14:27:55	INSERT INTO sales_orders VALUES (1001,"Hami","Electronics","Playstation",7754863398,1), (1002,"Ridha...
✓ 12	14:27:59	SELECT * FROM sales_orders LIMIT 0, 1000
✓ 13	14:34:05	SELECT * FROM sales_orders LIMIT 0, 1000
✓ 14	14:34:35	SELECT Customer_name,Ordered_item FROM sales_orders LIMIT 0, 1000

5. USE THE UPDATE COMMAND TO CHANGE THE NAME OF THE PRODUCT FOR ANY ROW

```
47
48 • UPDATE sales_orders set Ordered_item="PS-5" where Order_Id=1001;
49
50 • SELECT * FROM sales_orders;
```

Result Grid

	Order_Id	Customer_name	Product_Category	Ordered_item	Contact_No	order_quantity
▶	1001	Hami	Electronics	PS-5	7754863398	1
	1002	Ridha	Stationary	Artist kit	8658350058	1
	1003	Sharbi	Food	Soft Drinks	83958830112	5
	1004	Shanza	Cosmetics	Face wash	771183528	2
	1005	Misirya	Cosmetics	Sunscreen	86862999477	1
	1006	Jaza	Food	Chocolate	832039933	5
	1007	Imadh	Electronics	iPad	7739499020	1
	1008	Shazin	Electronics	MacBook	9302749204	1
	1009	Shamwil	Stationary	Books	933034937	10
	1010	Zami	Food	Noodles	72049204404	7
*	NULL	NULL	NULL	NULL	NULL	NULL

sales_orders39 x

Output

Action Output

#	Time	Action
✓ 9	14:51:07	SELECT * FROM sales_orders LIMIT 0, 1000
✓ 10	14:51:13	SELECT Customer_name,Ordered_item FROM sales_orders LIMIT 0, 1000
✓ 11	14:51:17	UPDATE sales_orders set Ordered_item="PS-5" where Order_Id=1001
✓ 12	14:51:25	SELECT * FROM sales_orders LIMIT 0, 1000

6. DELETE THE sales_orders TABLE FROM THE DATABASE.

```
51
52 • DROP TABLE sales_orders;
```

Output

Action Output

#	Time	Action
✓ 11	14:51:17	UPDATE sales_orders set Ordered_item="PS-5" where Order_Id=1001
✓ 12	14:51:25	SELECT * FROM sales_orders LIMIT 0, 1000
✓ 13	15:01:09	DROP TABLE sales_orders