

Assignment 1

TechShop an electronic gadget shop

Task1:

1.

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'Task2' script with the following SQL commands:

```
1 create database techshop;
2 use techshop;
```

The right pane shows the 'SQL Additions' tab with 'My Snippets' listed. The bottom pane shows the 'Output' window with the following results:

#	Time	Action	Message	Duration / Fetch
1	15:02:20	create database techshop	1 row(s) affected	0.000 sec
2	15:02:24	use techshop	0 row(s) affected	0.000 sec

2&4.

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'Task2' script with the following SQL commands:

```
4 create table Customers(
5     CustomerID int primary key,
6     FirstName text,
7     LastName text,
8     Email varchar(50),
9     Phone varchar(15),
10    Address varchar(255)
11 );
```

The right pane shows the 'SQL Additions' tab with 'My Snippets' listed. The bottom pane shows the 'Output' window with the following results:

#	Time	Action	Message	Duration / Fetch
1	15:02:20	create database techshop	1 row(s) affected	0.000 sec
2	15:02:24	use techshop	0 row(s) affected	0.000 sec
3	15:07:56	create table Customers(CustomerID int primary key, FirstName text, LastName text, Email varchar(50), P...	0 row(s) affected	0.031 sec

```

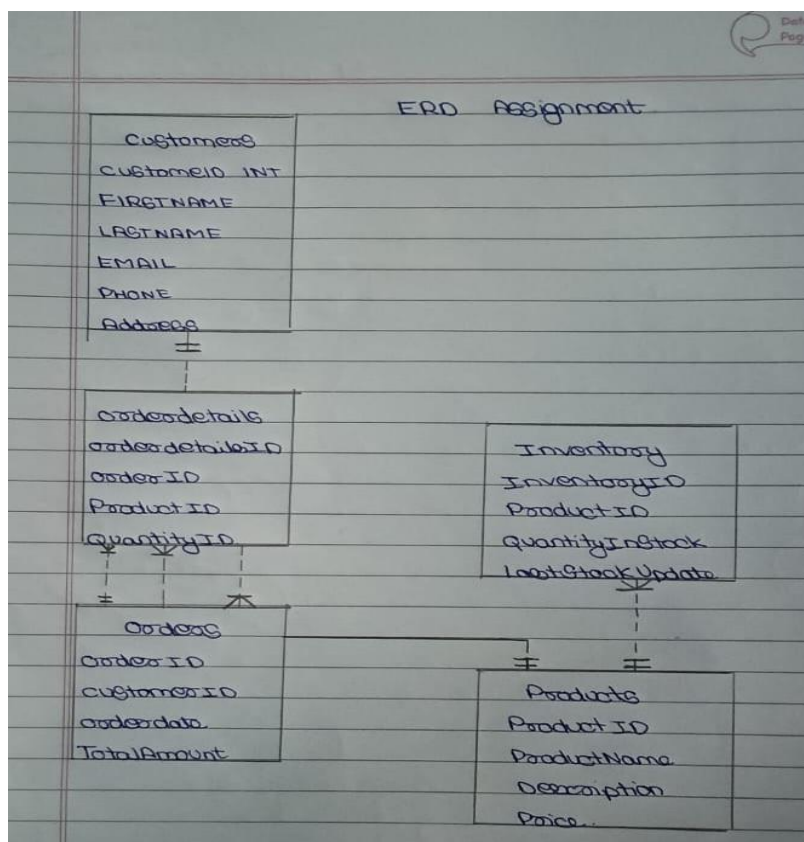
Task2*
Limit to 1000 rows

16 • create table Products(
17     ProductID int primary key,
18     ProductName varchar(255),
19     Description text,
20     Price decimal(10,2)
21 );
22
23 • create table Orders(
24     OrderID int primary key,
25     CustomerID int,
26     OrderDate date,
27     TotalAmount decimal(10,2),
28     foreign key(CustomerID) references Customers(CustomerID)
29 );
30
31 • create table OrderDetails(
32     OrderDetailID int primary key,
33     OrderID int,
34     ProductID int,
35     Quantity int,
36     foreign key(OrderID) references Orders(OrderID),
37     foreign key(ProductID) references Products(ProductID)
38 );
39
40 • create table Inventory(
41     InventoryID int primary key,
42     ProductID int,
43     QuantityInStock int,
44     LastStockUpdate datetime,
45     foreign key(ProductID) references Products(ProductID)
46 );

```

✓	3	15:07:56	create table Customers(CustomerID int primary key, FirstName text, LastName text, Email varchar(50), P...	0 row(s) affected	0.031 sec
✓	4	15:10:15	create table Products(ProductID int primary key, ProductName varchar(255), Description text, Price decim...	0 row(s) affected	0.031 sec
✓	5	15:10:33	create table Orders(OrderID int primary key, CustomerID int, OrderDate date, TotalAmount decimal(10,2), ...	0 row(s) affected	0.046 sec
✓	6	15:10:37	create table OrderDetails(OrderDetailID int primary key, OrderID int, ProductID int, Quantity int, foreign k...	0 row(s) affected	0.063 sec
✓	7	15:10:41	create table Inventory(InventoryID int primary key, ProductID int, QuantityInStock int, LastStockUpdate d...	0 row(s) affected	0.047 sec

3.



5.

```
Task2
Limit to 1000 rows

48 ● Insert into Customers values
49 (1, 'Execute the statement under the keyboard cursor', 'jalgaon'),
50 (2, 'Rohit', 'Rajput', 'rohit@gmail.com', '1234567890', '102 mumbai'),
51 (3, 'Rushi', 'Shete', 'rushi@gmail.com', '1234567890', '103 pune'),
52 (4, 'tejal', 'Chaudhari', 'tejal@gmail.com', '1234568905', '104 nagpur'),
53 (5, 'priya', 'Chaudhari', 'priya@gmail.com', '1234567823', '105 jalgaon'),
54 (6, 'Pranjal', 'Wani', 'pranjal@gmail.com', '1234567890', '106 navi mumbai'),
55 (7, 'bhavesh', 'madhse', 'bhavesh@gmail.com', '2134567890', '107 kalyan'),
56 (8, 'Shubham', 'Mane', 'shubham@gmail.com', '1234765890', '108 donbivili'),
57 (9, 'Mihir', 'Mahajan', 'mihir@gmail.com', '1234598590', '109 Airoli'),
58 (10, 'Harshal', 'Rane', 'harshal@gmail.com', '4321567890', '110 jalgaon');
59
60 ● INSERT INTO Products VALUES
61 (1, 'External Hard Drive', '1TB hard drive', 83.99),
62 (2, 'Wireless Router', 'dual-band router', 120.99),
63 (3, 'Tablet', '10-inch tablet with long battery', 199.99),
64 (4, 'Printer', 'Wireless all-in-one printer', 195.99),
65 (5, 'Smartwatch', 'Fitness tracker having heart rate monitor', 149.99),
66 (6, 'Laptop', 'High-performance laptop', 999.99),
67 (7, 'Headphones', 'headphones with Bluetooth', 179.99),
68 (8, 'Camera', 'Digital camera with 20MP', 501.99),
69 (9, 'Desktop Computer', 'Powerful desktop ', 1399.99),
70 (10, 'Smartphone', 'Latest model with dual cameras', 799.99);
71
72 ● INSERT INTO Orders VALUES
73 (1, 1, '2024-01-01', 1399.98),
74 (2, 2, '2024-02-01', 699.99),
75 (3, 3, '2024-03-01', 899.95),
76 (4, 4, '2024-04-01', 649.97),
77 (5, 5, '2024-05-01', 559.98),
78 (6, 6, '2024-06-01', 3299.97),
79 (7, 7, '2024-07-01', 699.98),
80 (8, 8, '2024-08-01', 999.99),
81 (9, 9, '2024-09-01', 179.98),
82 (10, 10, '2024-10-01', 899.99);
83
84 ● INSERT INTO OrderDetails VALUES
85 (1, 1, 1, 2),
86 (2, 1, 2, 1),
87 (3, 2, 3, 1),
88 (4, 2, 4, 2),
89 (5, 3, 5, 3),
90 (6, 3, 6, 1),
91 (7, 4, 7, 1),
92 (8, 5, 9, 2),
93 (9, 6, 8, 1),
94 (10, 7, 10, 1);
95
96 ● INSERT INTO Inventory VALUES
97 (1, 1, 50, '2024-01-01 09:00:00'),
98 (2, 2, 100, '2024-02-01 11:30:00'),
99 (3, 3, 75, '2024-03-01 13:45:00'),
100 (4, 4, 30, '2024-04-01 12:15:00'),
101 (5, 5, 80, '2024-05-01 15:45:00'),
102 (6, 6, 20, '2024-06-01 19:00:00'),
103 (7, 7, 40, '2024-07-01 22:15:00'),
104 (8, 8, 15, '2024-08-01 21:30:00'),
105 (9, 9, 60, '2024-09-01 01:25:00'),
106 (10, 10, 25, '2024-10-01 03:00:00');
107
```

Output				
Action Output				
#	Time	Action	Message	Duration / Fetch
1	15:31:40	insert into Customers values (1,'Rohan','Chaudhari','rohan@gmail.com','1234567890','101 jaigaon'), (2,'Rohit','R...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
2	15:31:45	INSERT INTO Products VALUES (1, 'External Hard Drive', '1TB hard drive', 83.59), (2, 'Wireless Router', 'dual-ba...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
3	15:31:48	INSERT INTO Orders VALUES (1, 1, '2024-01-01', 1399.99), (2, 2, '2024-02-01', 699.99), (3, 3, '2024-03-01', 899....	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.015 sec
4	15:32:03	INSERT INTO OrderDetails VALUES (1, 1, 1, 2), (2, 1, 2, 1), (3, 2, 3, 1), (4, 2, 4, 2), (5, 3, 5, 3), (6, 3, 6, 1), (7, 4, 7...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.016 sec
5	15:32:06	INSERT INTO Inventory VALUES (1, 1, 50, '2024-01-01 09:00:00'), (2, 2, 100, '2024-02-01 11:30:00'), (3, 3, 75, '2...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec

Task2:

1.

Task2

Limit to 1000 rows

107

/* TASK2 select where , between and like*/

select * from orderdetails;

/*1*/

select FirstName, Email from customers;

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

FirstName	Email
Rohan	rohan@gmail.com
Rohit	rohit@gmail.com
Rushi	rushi@gmail.com
tejal	tejal@gmail.com
priya	priya@gmail.com
Pranjal	pranjal@gmail.com

customers 1 x

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:36:49	select FirstName, Email from customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

2.

Task2

Limit to 1000 rows

117

/*2*/ select Orders.orderID, Customers.FirstName,Customers.LastName,Orders.OrderDate from orders

left join Customers on Customers.CustomerID = Orders.CustomerID ;

Result Grid

Filter Rows:

Exports

Wrap Cell Contents

orderID	FirstName	LastName	OrderDate
1	Rohan	Chaudhari	2024-01-01
2	Rohit	Rajput	2024-02-01
3	Rushi	Shete	2024-03-01
4	tejal	Chaudhari	2024-04-01
5	priya	Chaudhari	2024-05-01
6	Pranjal	Wani	2024-06-01

Result 2 x

Read Only

Context Help

Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:36:49	select FirstName, Email from customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
2	15:37:52	select Orders.orderID, Customers.FirstName,Customers.LastName,Orders.OrderDate from orders left join Custom...	10 row(s) returned	0.000 sec / 0.000 sec

3.

The screenshot shows the SQL Developer interface with a script editor containing an INSERT statement. The output pane shows the execution results.

```
123
124
125 • /*3*/INSERT INTO Customers (CustomerID, FirstName, LastName, Email, Phone, Address)
126   VALUES (11, 'Shryash', 'Zope', 'shreyash@example.com', '1253689740', '111 Nashik');
127
128
129
130
131
132
```

Output:

#	Time	Action	Message	Duration / Fetch
1	15:36:49	select FirstName, Email from customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
2	15:37:52	select Orders.orderID, Customers.FirstName, Customers.LastName, Orders.OrderDate from orders left join Custom...	10 row(s) returned	0.000 sec / 0.000 sec
3	15:39:22	INSERT INTO Customers (CustomerID, FirstName, LastName, Email, Phone, Address) VALUES (11, 'Shryash', 'Z...	1 row(s) affected	0.015 sec

4.

The screenshot shows the SQL Developer interface with a script editor containing an UPDATE statement. The output pane shows the execution results, including a warning about data truncation.

```
133
134 /*4*/
135 • Update Products SET Price = Price*1.10;
136 • select * from products;
137
138
139
140
```

Result Grid:

ProductID	ProductName	Description	Price
1	External Hard Drive	1TB hard drive	91.95
2	Wireless Router	dual-band router	133.09
3	Tablet	10-inch tablet with long battery	219.99
4	Printer	Wireless all-in-one printer	215.59
5	Smartwatch	Fitness tracker having heart rate monitor	164.99
6	Laptop	High-performance laptop	1099.99
7	Headphones	headphones with Bluetooth	197.99

Output:

#	Time	Action	Message	Duration / Fetch
1	15:36:49	select FirstName, Email from customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec
2	15:37:52	select Orders.orderID, Customers.FirstName, Customers.LastName, Orders.OrderDate from orders left join Custom...	10 row(s) returned	0.000 sec / 0.000 sec
3	15:39:22	INSERT INTO Customers (CustomerID, FirstName, LastName, Email, Phone, Address) VALUES (11, 'Shryash', 'Z...	1 row(s) affected	0.015 sec
4	15:40:32	Update Products SET Price = Price*1.10	10 row(s) affected, 10 warning(s): 1265 Data truncated for column 'Price' at row 1 1265 Data truncated for colum...	0.000 sec
5	15:40:45	select * from products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

5.

The screenshot shows the SQL Developer interface with a script named 'Task2'. The script contains the following SQL commands:

```
139
140
141 • /*5*/ Delete from orderdetails where OrderID=1;
142 • DELETE FROM Orders
143 WHERE OrderID = 1;
144
145
146
```

The output window shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	15:44:00	Delete from orderdetails where OrderID=1	2 row(s) affected	0.000 sec
2	15:44:02	DELETE FROM Orders WHERE OrderID = 1	1 row(s) affected	0.015 sec

6.

The screenshot shows the SQL Developer interface with a script named 'Task2'. The script contains the following SQL command:

```
145
146
147
148 • /*6*/ INSERT INTO Orders
149 VALUES (1, 1, '2024-12-01', 299.99);
150
151
152
```

The output window shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	15:45:06	INSERT INTO Orders VALUES (1, 1, '2024-12-01', 299.99)	1 row(s) affected	0.000 sec

7.

The screenshot shows the SQL Developer interface with a script named 'Task2'. The script contains the following SQL command:

```
151
152
153
154 • /*7*/ UPDATE Customers
155 SET Email = 'addemail@gmail.com',
156 Address = 'add info example'
157 WHERE CustomerID = 1;
158
```

The output window shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	15:45:52	UPDATE Customers SET Email = 'addemail@gmail.com', Address = 'add info example' WHERE CustomerID = 1	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.015 sec

8.

Task2

```

160
161
162 /*8*/ UPDATE Orders
163     SET TotalAmount = (
164     SELECT SUM(OrderDetails.Quantity * Products.Price)
165     FROM OrderDetails
166     JOIN Products ON OrderDetails.ProductID = Products.ProductID
167     WHERE OrderDetails.OrderID = Orders.OrderID
168 );

```

SQLAdditions

My Snippets

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:47:17	UPDATE Orders SET TotalAmount = (SELECT SUM(OrderDetails.Quantity * Products.Price) FROM OrderDe...	10 row(s) affected Rows matched: 10 Changed: 10 Warnings: 0	0.016 sec

9.

Task2

```

172
173 /*9*/ DELETE FROM OrderDetails
174 WHERE OrderID IN (SELECT OrderID FROM Orders WHERE CustomerID = 1);
175
176 DELETE FROM Orders
177 WHERE CustomerID = 1;
178
179
180

```

SQLAdditions

My Snippets

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:48:02	DELETE FROM OrderDetails WHERE OrderID IN (SELECT OrderID FROM Orders WHERE CustomerID = 1)	0 row(s) affected	0.000 sec
2	15:48:44	DELETE FROM Orders WHERE CustomerID = 1	1 row(s) affected	0.000 sec

10.

Task2

```

178
179
180 /*10*/ ALTER TABLE Products
181 ADD Category VARCHAR(255);
182
183 INSERT INTO Products (ProductID, ProductName, Description, Price, Category)
184 VALUES (12, 'New Electronic Gadget', 'Description of the new gadget', 399.99, 'Electronic Gadget');
185
186

```

SQLAdditions

My Snippets

Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	15:48:02	DELETE FROM OrderDetails WHERE OrderID IN (SELECT OrderID FROM Orders WHERE CustomerID = 1)	0 row(s) affected	0.000 sec
2	15:48:44	DELETE FROM Orders WHERE CustomerID = 1	1 row(s) affected	0.000 sec
3	15:49:45	ALTER TABLE Products ADD Category VARCHAR(255)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.032 sec
4	15:49:53	INSERT INTO Products (ProductID, ProductName, Description, Price, Category) VALUES (12, 'New Electronic G...	1 row(s) affected	0.000 sec

11.

The screenshot shows a SQL script in a window titled "Task2". The script consists of two main actions:

```
186  
187 • /*11*/ ALTER TABLE Orders  
188   ADD Status VARCHAR(50);  
189  
190 • UPDATE Orders  
191   SET Status = 'Shipped'  
192   WHERE OrderID = 2;  
193  
194
```

Below the script, the "Output" pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	15:51:00	ALTER TABLE Orders ADD Status VARCHAR(50)	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.031 sec
2	15:51:02	UPDATE Orders SET Status = 'Shipped' WHERE OrderID = 2	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec

12.

The screenshot shows a SQL script in a window titled "Task2". The script consists of two main actions:

```
200 /*12 */  
201 • alter table customers add column OrderNumbers text;  
202  
203 • UPDATE Customers  
204   SET OrderNumbers = (  
205     SELECT COUNT(OrderID)  
206     FROM Orders  
207     WHERE Orders.CustomerID = Customers.CustomerID  
208   );  
209
```

Below the script, the "Output" pane shows the execution results:

#	Time	Action	Message	Duration / Fetch
1	15:54:14	UPDATE Customers SET OrderNumbers = (SELECT COUNT(OrderID) FROM Orders WHERE Orders.Cus...	11 row(s) affected Rows matched: 11 Changed: 11 Warnings: 0	0.015 sec

TASK3:

1.

Task3

```
1 /* Task3*/
2
3 /* 1st question*/
4 SELECT Orders.OrderID,Customers.FirstName AS CustomerFirstName,Customers.LastName AS CustomerLastName,Orders.OrderDate,Orders.TotalAmount
5 FROM Orders
6 JOIN Customers ON Orders.CustomerID = Customers.CustomerID;
```

Result Grid

OrderID	CustomerFirstName	CustomerLastName	OrderDate	TotalAmount
2	Rohit	Rajput	2024-02-01	651.17
3	Rushi	Shete	2024-03-01	1594.96
4	tejal	Chaudhari	2024-04-01	197.99
5	priya	Chaudhari	2024-05-01	3079.98
6	Pranjal	Wani	2024-06-01	552.19
7	bhavesh	madhse	2024-07-01	879.99
8	Shubham	Mane	2024-08-01	879.99
9

Output

#	Time	Action	Message	Duration / Fetch
1	15:56:08	SELECT Orders.OrderID,Customers.FirstName AS CustomerFirstName,Customers.LastName AS CustomerLastNa...	9 row(s) returned	0.000 sec / 0.000 sec

2.

Task3

```
7
8 /*2nd question*/
9 select products.ProductName,products.Price*orderdetails.Quantity as revenue from products
10 left join orderdetails on orderdetails.ProductID=products.ProductID;
```

Result Grid

ProductName	revenue
Tablet	219.99
Printer	431.18
Smartwatch	494.97
Laptop	1099.99
Headphones	197.99
Camera	552.19
Desktop Computer	3079.98
...	...

Output

#	Time	Action	Message	Duration / Fetch
1	16:01:47	select products.ProductName,products.Price*orderdetails.Quantity as revenue from products left join orderdetail...	11 row(s) returned	0.000 sec / 0.000 sec

3.

Task3

Limit to 1000 rows

```
13
14
15 /*3rd question*/
16 • SELECT * FROM Customers JOIN Orders ON Customers.CustomerID = Orders.CustomerID
17   where orders.TotalAmount is not null;
18
19
```

Result Grid

CustomerID	FirstName	LastName	Email	Phone	Address	Ordernumbers	OrderID	CustomerID	OrderDate	TotalAmount	Status
2	Rohit	Rajput	rohit@gmail.com	1234567890	102 mumbai	1	2	2	2024-02-01	651.17	Shipped
3	Rushi	Shete	rushi@gmail.com	1234567089	103 pune	1	3	3	2024-03-01	1594.96	NULL
4	tejal	Chaudhari	tejal@gmail.com	1234568905	104 nagpur	1	4	4	2024-04-01	197.99	NULL
5	priya	Chaudhari	priya@gmail.com	1234567823	105 jalgaon	1	5	5	2024-05-01	3079.98	NULL
6	Pranjal	Wani	pranjal@gmail.com	1235467890	106 navi mumbai	1	6	6	2024-06-01	552.19	NULL
7	bhavesh	madhse	bhavesh@gmail.com	2134567890	107 kalyan	1	7	7	2024-07-01	879.99	NULL

Result 7 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:03:10	SELECT * FROM Customers JOIN Orders ON Customers.CustomerID = Orders.CustomerID where orders.TotalAm...	6 row(s) returned	0.016 sec / 0.000 sec

4.

Task3

Limit to 1000 rows

```
22
23 /*4th question*/
24 • SELECT Products.ProductName,SUM(OrderDetails.Quantity) AS TotalQuantityOrdered
25   FROM Products
26  JOIN OrderDetails ON Products.ProductID = OrderDetails.ProductID
27  GROUP BY Products.ProductName
28  ORDER BY TotalQuantityOrdered DESC ;
29
```

Result Grid

ProductName	TotalQuantityOrdered
Smartwatch	3
Printer	2
Desktop Computer	2
Tablet	1
Laptop	1
Headphones	1
Camera	1
Smartphone	1

Result 10 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:04:36	SELECT Products.ProductName,SUM(OrderDetails.Quantity) AS TotalQuantityOrdered FROM Products JOIN Or...	8 row(s) returned	0.015 sec / 0.000 sec

5.

Task3

Limit to 1000 rows

```

31
32 /*5th question*/
33 • SELECT ProductName,Category
34 FROM Products;
35
36
37
38

```

Result Grid

ProductName	Category
Printer	Electronics
Smartwatch	Electronics
Laptop	Electronics
Headphones	Electronics
Camera	Electronics
Desktop Computer	Electronics
Smartphone	Electronics
New Electronic Ga...	Electronics

Products 11 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:05:31	SELECT ProductName,Category FROM Products LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

6.

Task3

Limit to 1000 rows

```

37
38
39 /*6th question*/
40 • SELECT Customers.CustomerID,Customers.FirstName,Customers.LastName,AVG(Orders.TotalAmount) AS AverageOrderValue
41 FROM Customers
42 JOIN Orders ON Customers.CustomerID = Orders.CustomerID
43 GROUP BY Customers.CustomerID;
44

```

Result Grid

CustomerID	FirstName	LastName	AverageOrderValue
2	Rohit	Rajput	651.170000
3	Rushi	Shete	1594.960000
4	tejal	Chaudhari	197.990000
5	priya	Chaudhari	3079.980000
6	Pranjal	Wani	552.190000
7	bhavesh	madhse	879.990000
8	Shubham	Mane	0.000000
9	Mihir	Mahajan	0.000000
10	Harshal	Rane	0.000000

Result 13 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:06:21	SELECT Customers.CustomerID,Customers.FirstName,Customers.LastName,AVG(Orders.TotalAmount) AS AverageOrderValue FROM Customers JOIN Orders ON Customers.CustomerID = Orders.CustomerID GROUP BY Customers.CustomerID;	9 row(s) returned	0.000 sec / 0.000 sec

7.

Task3" x

Limit to 1000 rows

```
46
47 /*7th question*/
48 • SELECT Orders.OrderID, OrderDate, TotalAmount, FirstName, LastName
49 FROM Orders
50 JOIN Customers ON Orders.CustomerID = Customers.CustomerID
51 ORDER BY TotalAmount DESC limit 1;
52
53
```

Result Grid

OrderID	OrderDate	TotalAmount	FirstName	LastName
5	2024-05-01	3079.98	priya	Chaudhari

Result 14 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:07:20	SELECT Orders.OrderID, OrderDate, TotalAmount, FirstName, LastName FROM Orders JOIN Customers ON Or...	1 row(s) returned	0.000 sec / 0.000 sec

8.

Task3" x

Limit to 1000 rows

```
55
56 /*8th question*/
57 • SELECT Products.ProductID, ProductName, COUNT(OrderDetails.OrderID) AS numberoftime
58 FROM Products
59 LEFT JOIN OrderDetails ON Products.ProductID = OrderDetails.ProductID
60 GROUP BY Products.ProductID, ProductName;
61
62
```

Result Grid

ProductID	ProductName	numberoftime
1	External Hard Drive	0
2	Wireless Router	0
3	Tablet	1
4	Printer	1
5	Smartwatch	1
6	Laptop	1
7	Headphones	1
8	Camera	1
9	Desktop Computer	1

Result 16 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:08:22	SELECT Products ProductID, ProductName, COUNT(OrderDetails OrderID) AS numberoftime FROM Products L...	11 row(s) returned	0.000 sec / 0.000 sec

9.

The screenshot shows a SQL query window with the following code:

```
63 /*9th question*/
64 • SELECT Customers.CustomerID, FirstName, LastName, Email, Phone, Address
65 FROM Customers
66 JOIN Orders ON Customers.CustomerID = Orders.CustomerID
67 JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID
68 JOIN Products ON OrderDetails.ProductID = Products.ProductID
69 WHERE Products.ProductName = 'Laptop';
70
```

The query results are displayed in a grid:

CustomerID	FirstName	LastName	Email	Phone	Address
3	Rushi	Shete	rushi@gmail.com	1234567089	103 pune

The output pane shows the execution message: "1 16:09:15 SELECT Customers.CustomerID, FirstName, LastName, Email, Phone, Address FROM Customers JOIN Orders O... 1 row(s) returned 0.000 sec / 0.000 sec".

10.

The screenshot shows a SQL query window with the following code:

```
69 WHERE Products.ProductName = 'Laptop';
70
71
72
73 /*10th question*/
74 • SELECT SUM(TotalAmount) AS TotalRevenue
75 FROM Orders
76 WHERE OrderDate BETWEEN '2023-10-01' AND '2024-10-01';
```

The query results are displayed in a grid:

TotalRevenue
6956.28

The output pane shows the execution message: "1 16:10:10 SELECT SUM(TotalAmount) AS TotalRevenue FROM Orders WHERE OrderDate BETWEEN '2023-10-01' AND... 1 row(s) returned 0.000 sec / 0.000 sec".