

```
/* ASSIGNMENT 1
 /*> TASK 1
 /*> CREATE THE DATABASE NAMED 'Techshop'*/
CREATE DATABASE TechShop;
USE TechShop;
CREATE TABLE Customers (
    CustomerID INT PRIMARY KEY,
    FirstName VARCHAR(50),
    LastName VARCHAR(50),
    Email VARCHAR(100),
    Phone VARCHAR(20),
    Address VARCHAR(255)
);
INSERT INTO Customers VALUES
(1, 'Sid', 'Mundhe', 'sidmun@email.com', '7654765489', '123 amravati '),
(2, 'Vedu', 'Wagh', 'veduwagh@email.com', '9873451234', '456 jalna'),
(3, 'Sonu', 'Jaybhay', 'sonujay@email.com', '9865321468', '123 pune'),
(4, 'Tejas', 'Mundhe', 'tejmun@email.com', '9865321476', '123 cheenai'),
(5, 'Satish', 'More', 'satishmore@email.com', '7654321981', '23 Mumbai').
```

MySQL Workbench

Local instance MySQL80 × unconnected × unconnected × unconnected ×

File Edit View Query Database Server Tools Scripting Help

SQl CSV JSON XML DDL DML Scripts SQL File

Navigator

SCHEMAS

Filter objects

college hmbank petpalsdb sakila sisdb sys world xyz

hex 3(2) HEX 2 pthon sql 1 pthon sql 2 SQL File 6\*

Limit to 1000 rows

24 (6, 'Teju', 'Patel', 'teju.patel@email.com', '987654321', '67 Badisadak'),  
25 (7, 'Ankit', 'Dudhani', 'andudhani@email.com', '765432198', 'delhi'),  
26 (8, 'Shubham', 'Charkha', 'shubchar@email.com', '9753124680', 'stand banglore'),  
27 (9, 'Akanksha', 'Negi', 'akupnegi@email.com', '7890654321', 'cheenai'),  
28 (10, 'Ishan', 'Mitall', 'ishmittal@email.com', '987651234', 'jaipur');  
29  
30 • Select \* from Customers;  
31

Administration Schemas

Information

Connection Details

- Name: Local instance M
- Host: localhost
- Port: 3306
- Login User: root
- Current User:root@localhost
- SSL cipher: SSL not used

Server

- Product: MySQL Commun
- Version: 8.0.34

Connector

- Version: C++ 8.1.0

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

CustomerID	FirstName	LastName	Email	Phone	Address
1	Sid	Mundhe	sidmun@email.com	7654765489	123 amravati
2	Vedu	Wagh	veduwagh@email.com	9873451234	456 jalna
3	Sonu	Jaybhay	sonujay@email.com	9865321468	123 pune
4	Tejas	Mundhe	tejmun@email.com	9865321476	123 cheenai
5	Satish	More	satisfmore@email.com	7654321981	23 Mumbai
6	Teju	Patel	teju.patel@email.com	987654321	67 Badisadak
7	Ankit	Dudhani	andudhani@email.com	765432198	delhi
8	Shubham	Charkha	shubchar@email.com	9753124680	stand banglore
9	Akanksha	Negi	akupnegi@email.com	7890654321	cheenai
10	Ishan	Mitall	ishmittal@email.com	987651234	jaipur

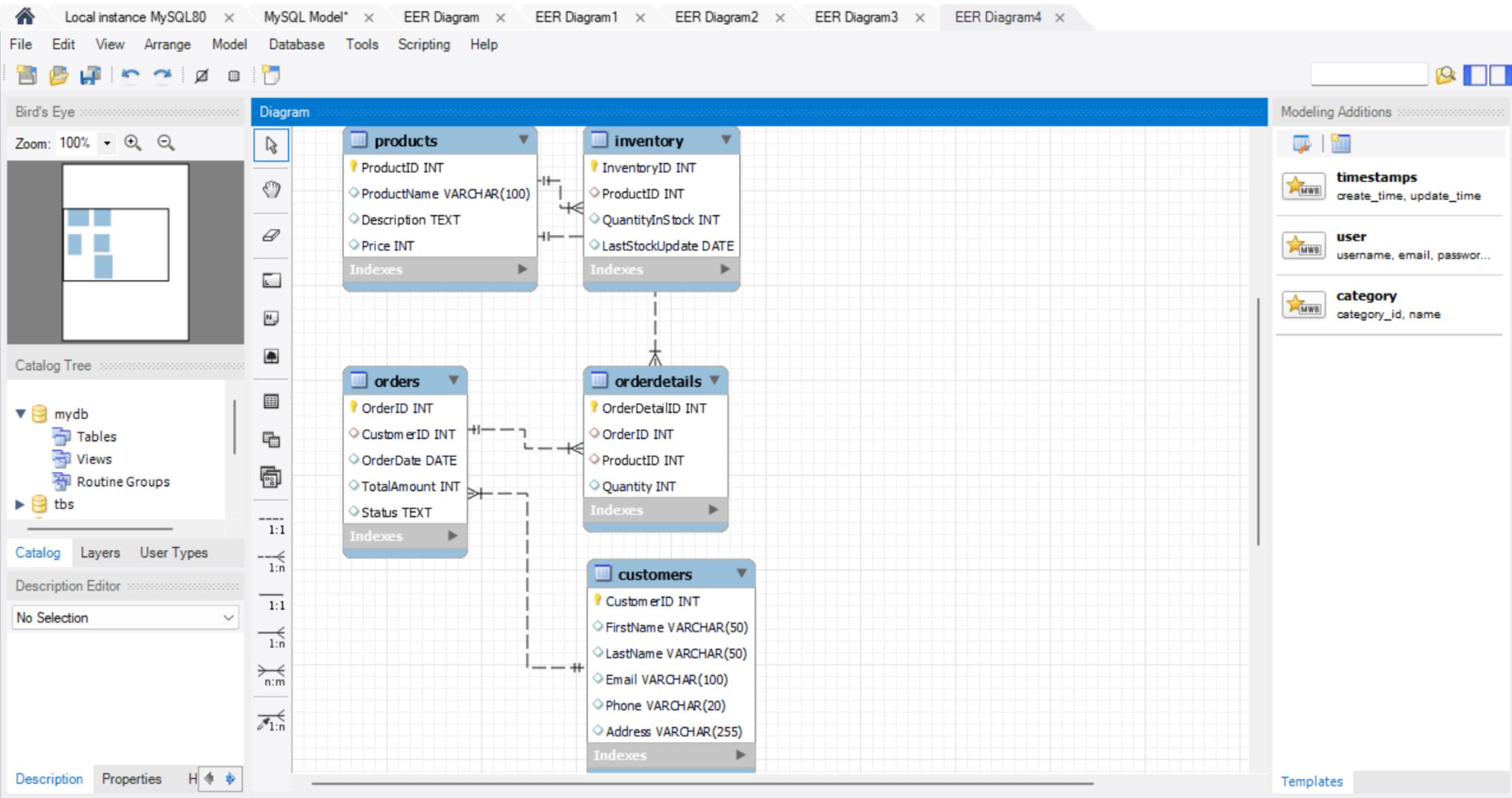
Customers 2 × Apply Revert

Action Output

#	Time	Action	Message	Duration / Fetch
18	21:11:45	INSERT INTO Customers VALUES (1, 'Sid', 'Mundhe', 'sidmun@email.com', '7654765489', '123 amravati')	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
19	21:12:00	Select * from Customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed







MySQL Workbench

Local instance MySQL80 unconnected unconnected unconnected

File Edit View Query Database Server Tools Scripting Help

Schemas: college, hmbank, petpalsdb, sakila, sisdb, sys, world, xyz

SQL File 6\*

```
hex 3(2) HEX 2 python sql 1 python sql 2 SQL File 6* Limit to 1000 rows
89      (6, 6, 6, 1),
90      (7, 7, 7, 3),
91      (8, 8, 8, 2),
92      (9, 9, 9, 1),
93      (10, 10, 10, 4);
94
95 • select * from OrderDetails;
96
```

Administration Schemas

Information

Connection Details

- Name: Local instance M
- Host: localhost
- Port: 3306
- Login User: root
- Current User:root@localhost
- SSL cipher: SSL not used

Server

- Product: MySQL Commun
- Version: 8.0.34

Connector

- Version: C++ 8.1.0

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content:

OrderDetailID	OrderID	ProductID	Quantity
1	1	1	2
2	2	2	1
3	3	3	1
4	4	4	2
5	5	5	1
6	6	6	1
7	7	7	3
8	8	8	2
9	9	9	1
10	10	10	4

OrderDetails 5 x Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
27	21:14:53	INSERT INTO OrderDetails VALUES (1, 1, 1, 2), (2, 2, 2, 1), (3, 3, 3, 1), (4, 4, 4, 2), ...	10 row(s) affected Records: 10 Duplicates: 0 Warnings: 0	0.000 sec
28	21:15:10	select * from OrderDetails LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

MySQL Workbench

Local instance MySQL80 × unconnected × unconnected × unconnected ×

File Edit View Query Database Server Tools Scripting Help

Schemas

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- world
- xyz

Navigator

hex 3(2) HEX 2 python sql 1 python sql 2 SQL File 6\*

103 );  
104  
105 /\*Tasks 2: Select, Where, Between, AND, LIKE:  
106  
107 1. Write an SQL query to retrieve the names and emails of all customers.\*/  
108  
109 • SELECT FirstName, LastName, Email FROM Customers;  
110

Administration Schemas

Information

Connection Details

- Name: Local instance M
- Host: localhost
- Port: 3306
- Login User: root
- Current User:root@localhost
- SSL cipher: SSL not used

Server

- Product: MySQL Commun
- Version: 8.0.34

Connector

- Version: C++ 8.1.0

Result Grid | Filter Rows: Export: Wrap Cell Content:

FirstName	LastName	Email
Sid	Mundhe	sidmun@email.com
Vedu	Wagh	veduwagh@email.com
Sonu	Jaybhay	sonujay@email.com
Tejas	Mundhe	tejmun@email.com
Satish	More	satishmore@email.com
Teju	Patel	teju.patel@email.com
Ankit	Dudhani	andudhani@email.com
Shubham	Charkha	shubchar@email.com
Akanksha	Negi	akupnegi@email.com
Tahan	Mittal	ischmittal@gmail.com

Customers 6 × Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
29	21:15:27	CREATE TABLE Inventory (InventoryID INT PRIMARY KEY, ProductID INT, ...)	0 row(s) affected	0.032 sec
30	21:19:25	SELECT FirstName, LastName, Email FROM Customers LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

MySQL Workbench

Local instance MySQL80 × unconnected × unconnected × unconnected ×

File Edit View Query Database Server Tools Scripting Help

SQl SQL Navigator

SCHEMAS

Filter objects

college hmbank petpalsdb sakila sisdb sys world xyz

hex 3(2) HEX 2 pthon sql 1 pthon sql 2 SQL File 6\* x

112  
113 /\*3. Write an SQL query to insert a new customer record into the "Customers" table.  
114 Include customer information such as name, email, and address.\*/  
115  
116 • INSERT INTO Customers  
117 VALUES (11,'Himanshu', 'Patel', 'himpatel@email.com', '9876123450', 'mahco colony');  
118 • select \* from Customers;  
119

Administration Schemas

Information

**Connection Details**

- Name: Local instance M
- Host: localhost
- Port: 3306
- Login User: root
- Current User:root@localhost
- SSL cipher: SSL not used

**Server**

- Product: MySQL Commun
- Version: 8.0.34

**Connector**

- Version: C++ 8.1.0

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content:

CustomerID	FirstName	LastName	Email	Phone	Address
4	Tejas	Mundhe	tejmun@email.com	9865321476	123 cheenai
5	Satish	More	satishmore@email.com	7654321981	23 Mumbai
6	Teju	Patel	teju.patel@email.com	987654321	67 Badisadak
7	Ankit	Dudhani	andudhani@email.com	765432198	delhi
8	Shubham	Charkha	shubchar@email.com	9753124680	stand banglore
9	Akanksha	Negi	akupnegi@email.com	7890654321	cheenai
10	Ishan	Mittal	ishmittal@email.com	987651234	jaipur
11	Himanshu	Patel	himpatel@email.com	9876123450	mahco colony
*	NULL	NULL	NULL	NULL	NULL

Customers 7 x

Action Output

#	Time	Action	Message	Duration / Fetch
31	21:21:55	INSERT INTO Customers VALUES (11,'Himanshu', 'Patel', 'himpatel@email.com', ...)	1 row(s) affected	0.000 sec
32	21:22:29	select * from Customers LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

MySQL Workbench

Local instance MySQL80 unconnected unconnected unconnected

File Edit View Query Database Server Tools Scripting Help

Schemas: college, hmbank, petpalsdb, sakila, sisdb, sys, world, xyz

SQL File 6\*

```
118 • select * from Customers;
119
120 /*4. Write an SQL query to update the prices of all electronic gadgets in the "Products" table by increasing them by 10%.*/
121
122 • UPDATE Products
123 SET Price = Price * 1.10;
124 • select Price from Products;
125
```

Administration Schemas

Information

Connection Details

- Name: Local instance M
- Host: localhost
- Port: 3306
- Login User: root
- Current User:root@localhost
- SSL cipher: SSL not used

Server

- Product: MySQL Commun
- Version: 8.0.34

Connector

- Version: C++ 8.1.0

Result Grid

Price
55000
22000
16500
5500
2750
18700
77000
1100
44000
8250

Products 8 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
33	21:24:12	UPDATE Products SET Price = Price * 1.10	10 row(s) affected Rows matched: 10 Changed: 10 Warnings: 0	0.000 sec
34	21:24:12	select Price from Products LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

MySQL Workbench

Local instance MySQL80 × unconnected × unconnected × unconnected ×

File Edit View Query Database Server Tools Scripting Help

SQl SQL Navigator

SCHEMAS

Filter objects

college hmbank petpalsdb sakila sisdb sys world xyz

hex 3(2) HEX 2 python sql 1 python sql 2 SQL File 6\* x

125  
126 /\*6. Write an SQL query to delete a specific order and its associated order details from the "Orders" and "OrderDetails" tables.  
127 Allow users to input the order ID as a parameter.\*/  
128  
129 • DELETE FROM OrderDetails WHERE OrderID = 5;  
130 • DELETE FROM Orders WHERE OrderID = 5;  
131 • select \* from OrderDetails;

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content: Result Grid

	OrderDetailID	OrderID	ProductID	Quantity
▶	1	1	1	2
	2	2	2	1
	3	3	3	1
	4	4	4	2
	6	6	6	1
	7	7	7	3
	8	8	8	2
	9	9	9	1
	10	10	10	4
	NULL	NULL	NULL	NULL

OrderDetails 9 x Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
36	21:25:49	DELETE FROM Orders WHERE OrderID = 5	1 row(s) affected	0.016 sec
37	21:26:06	select * from OrderDetails LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

MySQL Workbench

Local instance MySQL80 × unconnected × unconnected × unconnected ×

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Browser SQL File

Navigator

SCHEMAS

Filter objects

college hmbank petpalsdb sakila sisdb sys world xyz

hex 3(2) HEX 2 python sql 1 python sql 2 SQL File 6\*

132  
133 /\*6. Write an SQL query to insert a new order into the "Orders" table.  
134 Include the customer ID, order date, and any other necessary information.\*/  
135  
136 • INSERT INTO Orders  
137 VALUES (11, 1, '2023-12-01', 700);  
138 • Select \* from orders;

Administration Schemas

Information

Connection Details

- Name: Local instance M
- Host: localhost
- Port: 3306
- Login User: root
- Current User:root@localhost
- SSL cipher: SSL not used

Server

- Product: MySQL Commun
- Version: 8.0.34

Connector

- Version: C++ 8.1.0

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content:

OrderID	CustomerID	OrderDate	TotalAmount
3	1	2023-03-10	15000
4	2	2023-04-02	5000
6	3	2023-06-20	17000
7	2	2023-07-05	70000
8	3	2023-08-12	1000
9	1	2023-09-25	40000
10	2	2023-10-18	3500
11	1	2023-12-01	700
*	HULL	HULL	HULL

orders 10 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
38	21:27:02	INSERT INTO Orders VALUES (11, 1, '2023-12-01', 700)	1 row(s) affected	0.000 sec
39	21:27:15	Select * from orders LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

Result Grid Form Editor Field Types



MySQL Workbench

Local instance MySQL80 unconnected unconnected unconnected

File Edit View Query Database Server Tools Scripting Help

Schemas: college, hmbank, petpalsdb, sakila, sisdb, sys, world, xyz

SQL File 6\*

147  
148 /\*9. Write an SQL query to delete all orders and their associated order details for a specific customer from  
149 the "Orders" and "OrderDetails" tables. Allow users to input the customer ID as a parameter.\*/  
150  
151 • DELETE FROM OrderDetails WHERE OrderID IN (SELECT OrderID FROM Orders WHERE CustomerID = 5);  
152 • DELETE FROM Orders WHERE CustomerID = 5;  
153 • select \* from Orders;  
154

Administration Schemas

Information

**Connection Details**

- Name: Local instance M
- Host: localhost
- Port: 3306
- Login User: root
- Current User:root@localhost
- SSL cipher: SSL not used

**Server**

- Product: MySQL Commun
- Version: 8.0.34

**Connector**

- Version: C++ 8.1.0

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content:

OrderID	CustomerID	OrderDate	TotalAmount
1	1	2023-01-01	50000
2	2	2023-02-15	20000
3	1	2023-03-10	15000
4	2	2023-04-02	5000
6	3	2023-06-20	17000
7	2	2023-07-05	70000
8	3	2023-08-12	1000
9	1	2023-09-25	40000
10	2	2023-10-18	3500
11	1	2023-12-01	700

Orders 12 X Apply Revert

Output

Action Output

#	Time	Action	Message	Duration / Fetch
43	21:29:16	DELETE FROM Orders WHERE CustomerID = 5	0 row(s) affected	0.000 sec
44	21:29:16	select * from Orders LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

MySQL Workbench

Local instance MySQL80 × unconnected × unconnected × unconnected ×

File Edit View Query Database Server Tools Scripting Help

SQl SQL Navigator

hex 3(2) HEX 2 pthon sql 1 pthon sql 2 SQL File 6\* x

153 • select \* from Orders;

154

155 /\* 10. Write an SQL query to insert a new electronic gadget product into the "Products" table.\*

156

157 • INSERT INTO Products

158 VALUES (11,'mouse', 'wireless mouse',800);

159 • Select \* from Products;

160

Administration Schemas

Information

**Connection Details**

- Name: Local instance M
- Host: localhost
- Port: 3306
- Login User: root
- Current User:root@localhost
- SSL cipher: SSL not used

**Server**

- Product: MySQL Commun
- Version: 8.0.34

**Connector**

- Version: C++ 8.1.0

Result Grid | Filter Rows: Edit: Export/Import: Wrap Cell Content:

ProductID	ProductName	Description	Price
4	Smartwatch	Fitness and smart features in a sleek design	5500
5	Wireless Earbuds	Bluetooth earbuds with noise cancellation	2750
6	4K Smart TV	65-inch smart TV with 4K UHD resolution	18700
7	Gaming Laptop	Powerful laptop for gaming enthusiasts	77000
8	Portable Bluetooth Speaker	Compact speaker with great sound quality	1100
9	Digital Camera	High-resolution camera for photography enthusi...	44000
10	External Hard Drive	1TB external hard drive for extra storage	3850
11	mouse	wireless mouse	800
*	NULL	NULL	NULL

Products 13 x

Action Output

#	Time	Action	Message	Duration / Fetch
45	21:30:11	INSERT INTO Products VALUES (11,'mouse', 'wireless mouse',800)	1 row(s) affected	0.000 sec
46	21:30:11	Select * from Products LIMIT 0, 1000	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

MySQL Workbench

Local instance MySQL80 unconnected unconnected unconnected

File Edit View Query Database Server Tools Scripting Help

Schemas: college, hmbank, petpalsdb, sakila, sisdb, sys, world, xyz

SQL File 6\*

163  
164 • ALTER TABLE Orders  
165 ADD Status text;  
166 • UPDATE Orders  
167 SET Status = 'shipped'  
168 WHERE OrderID = 3;  
169 • Select Status from Orders;  
170

Administration Schemas Information

**Connection Details**  
Name: Local instance M  
Host: localhost  
Port: 3306  
Login User: root  
Current User:root@localhost  
SSL cipher: SSL not used

**Server**  
Product: MySQL Commun  
Version: 8.0.34

**Connector**  
Version: C++ 8.1.0

Result Grid | Filter Rows: Export: Wrap Cell Content:

Status
NULL
NULL
shipped
NULL

Orders 14 x Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
48	21:31:39	UPDATE Orders SET Status = 'shipped' WHERE OrderID = 3	1 row(s) affected Rows matched: 1 Changed: 1 Warnings: 0	0.000 sec
49	21:32:11	Select Status from Orders LIMIT 0, 1000	10 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Query Completed

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Object Navigator

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

181 /\* Task 3. Aggregate functions, Having, Order By, GroupBy and Joins:  
182  
183 1. Write an SQL query to retrieve a list of all orders along with customer information (e.g., customer name) for each order.\*/  
184  
185 • SELECT Orders.OrderID, Customers.FirstName, Customers.LastName, Customers.Email, Customers.Phone, Orders.OrderDate, Orders.TotalAmount  
186 FROM Orders  
187 JOIN Customers ON Orders.CustomerID = Customers.CustomerID;  
1RR

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

OrderID	FirstName	LastName	Email	Phone	OrderDate	TotalAmount
1	Sid	Mundhe	sidmun@email.com	7654765489	2023-01-01	50000
2	Vedu	Wagh	veduwagh@email.com	9873451234	2023-02-15	20000
3	Sid	Mundhe	sidmun@email.com	7654765489	2023-03-10	15000
4	Vedu	Wagh	veduwagh@email.com	9873451234	2023-04-02	5000
6	Sonu	Jaybhay	sonujay@email.com	9865321468	2023-06-20	17000
7	Vedu	Wagh	veduwagh@email.com	9873451234	2023-07-05	70000
8	Sonu	Jaybhay	sonujay@email.com	9865321468	2023-08-12	70000
9	Sid	Mundhe	sidmun@email.com	7654765489	2023-09-25	40000
10	Vedu	Wagh	veduwagh@email.com	9873451234	2023-10-18	3500
11	Sid	Mundhe	sidmun@email.com	7654765489	2023-12-01	700

Result 1 × Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
2	12:05:47	USE TechShop	0 row(s) affected	0.000 sec
3	12:05:52	SELECT Orders.OrderID, Customers.FirstName, Customers.LastName, Customers.E...	10 row(s) returned	0.032 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQl HEX Python SQL 1 Python SQL 2 sql 1\*

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

No object selected

Result Grid | Filter Rows: Export: Wrap Cell Content:

ProductName	TotalRevenue
Laptop	110000
Smartphone	22000
Tablet	16500
Smartwatch	11000
4K Smart TV	18700
Gaming Laptop	231000
Portable Bluetooth Speaker	2200
Digital Camera	44000
External Hard Drive	15400

Result 2 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
3	12:05:52	SELECT Orders.OrderID, Customers.FirstName, Customers.LastName, Customers.E...	10 row(s) returned	0.032 sec / 0.000 sec
4	12:07:52	SELECT Products.ProductName, SUM(OrderDetails.Quantity * Products.Price) AS ...	9 row(s) returned	0.032 sec / 0.000 sec

Object Info Session

Result Grid Form Editor Field Types

Read Only

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQl SQL+ HEX 2 python sql 1 python sql 2 sql 1\*

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

Information

No object selected

Result Grid | Filter Rows: Export: Wrap Cell Content:

CustomerID	FirstName	LastName	Email	Phone	Address
1	Sid	Mundhe	sidmun@email.com	7654765489	123 amravati
2	Vedu	Wagh	veduwagh@email.com	9873451234	456 jalna
3	Sonu	Jaybhay	sonujay@email.com	9865321468	123 pune

Result Grid Form Editor Field Types

Result 3 x Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
4	12:07:52	SELECT Products.ProductName, SUM(OrderDetails.Quantity * Products.Price) AS ...	9 row(s) returned	0.032 sec / 0.000 sec
5	12:08:53	SELECT DISTINCT Customers.CustomerID, Customers.FirstName, Customers.Last...	3 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQl HEX python sql 1 python sql 2 sql 1\*

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

Information

No object selected

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

203 /\*4. Write an SQL query to find the most popular electronic gadget, which is the one with the highest total quantity ordered.

204 Include the product name and the total quantity ordered.\*/

205

206 • SELECT Products.ProductName, SUM(OrderDetails.Quantity) AS TotalQuantityOrdered

207 FROM OrderDetails

208 JOIN Products ON OrderDetails.ProductID = Products.ProductID

209 GROUP BY Products.ProductName

210 ORDER BY TotalQuantityOrdered DESC

Result Grid | Filter Rows: Export: Wrap Cell Content: Fetch rows:

ProductName	TotalQuantityOrdered
External Hard Drive	4

Result Grid Form Editor Field Types

Result 4 x Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
5	12:08:53	SELECT DISTINCT Customers.CustomerID, Customers.FirstName, Customers.Last...	3 row(s) returned	0.016 sec / 0.000 sec
6	12:09:39	SELECT Products.ProductName, SUM(OrderDetails.Quantity) AS TotalQuantityOrd...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema View Table Data SQL

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

Information

No object selected

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

220  
221     /\*6. Write an SQL query to calculate the average order value for each customer. Include the customer's name and their average order value.\*  
222 •    SELECT Customers.CustomerID, Customers.FirstName, Customers.LastName, AVG(Orders.TotalAmount) AS AverageOrderValue  
223       FROM Customers  
224       JOIN Orders ON Customers.CustomerID = Orders.CustomerID  
225       GROUP BY Customers.CustomerID, Customers.FirstName, Customers.LastName;  
226  
227

Result Grid | Filter Rows: Export: Wrap Cell Content:

	CustomerID	FirstName	LastName	AverageOrderValue
▶	1	Sid	Mundhe	26425.0000
▶	2	Vedu	Wagh	24625.0000
▶	3	Sonu	Jaybhay	9000.0000

Result Grid Form Editor Field Types

Result 5 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
*	7 12:10:28	SELECT Products.ProductName, Categories.CategoryName FROM Products JOIN ...	Error Code: 1146. Table 'techshop.categories' doesn't exist	0.000 sec
✓	8 12:12:00	SELECT Customers.CustomerID, Customers.FirstName, Customers.LastName, AVG(...)	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Object Navigator

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

Filter objects

SCHEMAS

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

Information

No object selected

Result Grid | Filter Rows: Export: Wrap Cell Content: Fetch rows:

OrderID	FirstName	LastName	Email	Phone	OrderDate	TotalAmount
7	Vedu	Wagh	veduwagh@email.com	9873451234	2023-07-05	70000

Result Grid | Form Editor | Field Types

Result 6 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
8	12:12:00	SELECT Customers.CustomerID, Customers.FirstName, Customers.LastName, AVG(...)	3 row(s) returned	0.000 sec / 0.000 sec
9	12:13:24	SELECT Orders.OrderID, Customers.FirstName, Customers.LastName, Customers.E...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Object Navigator

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

237  
238    /\*8. Write SQL query to list electronic gadgets and the number of times each product has been ordered.\*/  
239 • SELECT Products.ProductName, COUNT(OrderDetails.OrderDetailID) AS OrderCount  
240    FROM Products  
241    LEFT JOIN OrderDetails ON Products.ProductID = OrderDetails.ProductID  
242    GROUP BY Products.ProductName;  
243  
244

Filter objects

SCHEMAS

college hmbank petpalsdb sakila sisdb sys techshop

Tables Views Stored Procedures

Administration Schemas

No object selected

Result Grid | Filter Rows: Export: Wrap Cell Content:

ProductName	OrderCount
Laptop	1
Smartphone	1
Tablet	1
Smartwatch	1
Wireless Earbuds	0
4K Smart TV	1
Gaming Laptop	1
Portable Bluetooth Speaker	1
Digital Camera	1
External Hard Drive	1
mouse	0

Result 7 x Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
9	12:13:24	SELECT Orders.OrderID, Customers.FirstName, Customers.LastName, Customers.E...	1 row(s) returned	0.000 sec / 0.000 sec
10	12:14:08	SELECT Products.ProductName, COUNT(OrderDetails.OrderDetailID) AS OrderCou...	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Table View SQL

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

Information

No object selected

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

247

248 /\*10. Write an SQL query to calculate the total revenue generated by all orders placed within a specific time period.  
249 Allow users to input the start and end dates as parameters.\*/

250 • SELECT SUM(TotalAmount) AS TotalRevenue  
251 FROM Orders  
252 WHERE OrderDate BETWEEN '2023-01-01' AND '2023-12-31';  
253  
254

Result Grid | Filter Rows: Export: Wrap Cell Content:

TotalRevenue
222200

Result Grid Form Editor Field Types

Result 8 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
11	12:15:31	DECLARE @StartDate DATE = '2023-01-01'	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'DECLARE @StartDate DATE = '2023-01-01'' at line 1	0.000 sec
12	12:21:58	SELECT SUM(TotalAmount) AS TotalRevenue FROM Orders WHERE OrderDate ...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session Read Only

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Object Navigator

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

Allow users to input the product name as a parameter.\*

246 • SELECT DISTINCT Customers.\*  
247 FROM Customers  
248 JOIN Orders ON Customers.CustomerID = Orders.CustomerID  
249 JOIN OrderDetails ON Orders.OrderID = OrderDetails.OrderID  
250 JOIN Products ON OrderDetails.ProductID = Products.ProductID  
251 WHERE Products.ProductName = 'Laptop';

Result Grid | Filter Rows: Export: Wrap Cell Content:

	CustomerID	FirstName	LastName	Email	Phone	Address
▶	1	Sid	Mundhe	sidmun@email.com	7654765489	123 amravati

No object selected

Result 9 × Read Only

Action Output

#	Time	Action	Message	Duration / Fetch
12	12:21:58	SELECT SUM(TotalAmount) AS TotalRevenue FROM Orders WHERE OrderDate ...	1 row(s) returned	0.000 sec / 0.000 sec
13	12:23:07	SELECT DISTINCT Customers.* FROM Customers JOIN Orders ON Customers.Cus...	1 row(s) returned	0.015 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQl DDL DML Scripts Hex View Python SQL 1 Python SQL 2 SQL 1\*

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

Information

No object selected

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

261 /\*Task 4. Subquery and its type:  
262 1. Write an SQL query to find out which customers have not placed any orders. \*/  
263  
264 • SELECT \*  
265 FROM Customers  
266 WHERE CustomerID NOT IN (SELECT DISTINCT CustomerID FROM Orders);  
267  
268

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

CustomerID	FirstName	LastName	Email	Phone	Address
4	Tejas	Mundhe	tejmun@email.com	9865321476	123 cheenai
5	Satish	More	satishmore@email.com	7654321981	23 Mumbai
6	Teju	Patel	teju.patel@email.com	987654321	67 Badisadak
7	Ankit	Dudhani	andudhani@email.com	765432198	delhi
8	Shubham	Charkha	@sarkoy@gmail.com	9753124680	Null galli
9	Akanksha	Negi	akupnegi@email.com	7890654321	cheenai
10	Ishan	Mittal	ishmittal@email.com	987651234	jaipur
11	Himanshu	Patel	himpatel@email.com	9876123450	mahco colony
*	NULL	NULL	NULL	NULL	NULL

Customers 10 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
13	12:23:07	SELECT DISTINCT Customers.* FROM Customers JOIN Orders ON Customers.Cus...	1 row(s) returned	0.015 sec / 0.000 sec
14	12:40:16	SELECT * FROM Customers WHERE CustomerID NOT IN (SELECT DISTINCT Cu...	8 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQLEdit HEX Python SQL 1 Python SQL 2 SQL 1\*

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

Information

No object selected

hex 3(2) HEX 2 pthon sql 1 pthon sql 2 sql 1\*

268  
269     /\*2. Write an SQL query to find the total number of products available for sale. \*/  
270  
271 •    SELECT COUNT(\*) AS TotalProducts  
272       FROM Products;  
273  
274  
275

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid

TotalProducts
11

Result 11 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
14	12:40:16	SELECT * FROM Customers WHERE CustomerID NOT IN (SELECT DISTINCT Cu...	8 row(s) returned	0.000 sec / 0.000 sec
15	12:41:21	SELECT COUNT(*) AS TotalProducts FROM Products LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Read Only

MySQL Workbench

Local instance MySQL800 ×

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Object Navigator

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

Limit to 1000 rows

Filter objects

SCHEMAS

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**

Tables Views Stored Procedures

Administration Schemas

No object selected

Result Grid | Filter Rows: Export: Wrap Cell Content:

TotalRevenue
222200

Result 12 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
15	12:41:21	SELECT COUNT(*) AS TotalProducts FROM Products LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
16	12:41:58	SELECT SUM(TotalAmount) AS TotalRevenue FROM Orders LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid Form Editor Field Types

Read Only

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQLEdit HEX2 Python SQL1 Python SQL2 SQL1\*

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

Information

No object selected

hex 3(2) HEX 2 pthon sql 1 pthon sql 2 sql 1\*

294 /\*5. Write an SQL query to calculate the total revenue generated by a specific customer.

295 Allow users to input the customer ID as a parameter.\*/

296

297 • SELECT SUM(TotalAmount) AS TotalRevenue

298 FROM Orders

299 WHERE CustomerID = 1;

300

301

Result Grid | Filter Rows: Export: Wrap Cell Content:

TotalRevenue
105700

Result 13 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
19	12:44:55	SELECT AVG(OrderDetails.Quantity) AS AverageQuantityOrdered FROM OrderDet...	Error Code: 1054. Unknown column 'Products.CategoryName' in 'where clause'	0.000 sec
20	12:52:59	SELECT SUM(TotalAmount) AS TotalRevenue FROM Orders WHERE CustomerID...	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Read Only

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Data Editor SQL Test

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

Information

No object selected

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

301  
302     /\*6. Write an SQL query to find the customers who have placed the most orders. List their names and the number of orders they've placed. \*/  
303 •    SELECT Customers.FirstName, Customers.LastName, COUNT(Orders.OrderID) AS OrderCount  
304    FROM Customers  
305    JOIN Orders ON Customers.CustomerID = Orders.CustomerID  
306    GROUP BY Customers.CustomerID, Customers.FirstName, Customers.LastName  
307    ORDER BY OrderCount DESC;  
308

Result Grid | Filter Rows: Export: Wrap Cell Content:

FirstName	LastName	OrderCount
Sid	Mundhe	4
Vedu	Wagh	4
Sonu	Jaybhay	2

Result 14 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
21	12:53:50	SELECT TOP 1 Customers.FirstName, Customers.LastName, COUNT(Orders.OrderID) AS OrderCount FROM Customers JOIN Orders ON Customers.CustomerID = Orders.CustomerID GROUP BY Customers.CustomerID, Customers.FirstName, Customers.LastName ORDER BY OrderCount DESC;	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'TOP 1 Customers.FirstName, Customers.LastName, COUNT(Orders.OrderID) AS OrderCount' at line 1	0.000 sec
22	12:54:11	SELECT Customers.FirstName, Customers.LastName, COUNT(Orders.OrderID) AS OrderCount FROM Customers JOIN Orders ON Customers.CustomerID = Orders.CustomerID GROUP BY Customers.CustomerID, Customers.FirstName, Customers.LastName ORDER BY OrderCount DESC;	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Result Grid Form Editor Field Types

Read Only

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQLEdit Schema Browser Database Object Navigator

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

323  
324  
325 /\*9. Write an SQL query to calculate the average order value (total revenue divided by the number of orders) for all customers. \*/  
326  
327 • SELECT AVG(TotalAmount) AS AverageOrderValue  
328 FROM Orders;  
329  
330

Administration Schemas Information

No object selected

Result Grid | Filter Rows: Export: Wrap Cell Content: Result Grid Form Editor Field Types

AverageOrderValue  
22220.0000

Result 15 × Output Action Output # Time Action Message Duration / Fetch  
23 12:55:02 SELECT Categories.CategoryName, SUM(OrderDetails.Quantity) AS TotalQuantityO... Error Code: 1146. Table 'techshop.categories' doesn't exist 0.016 sec  
24 12:56:35 SELECT AVG(TotalAmount) AS AverageOrderValue FROM Orders LIMIT 0, 1000 1 row(s) returned 0.000 sec / 0.000 sec

Object Info Session Read Only

MySQL Workbench

Local instance MySQL80 ×

File Edit View Query Database Server Tools Scripting Help

SQLEditTableImportExportSQLScript

Navigator

SCHEMAS

Filter objects

- college
- hmbank
- petpalsdb
- sakila
- sisdb
- sys
- techshop**
  - Tables
  - Views
  - Stored Procedures

Administration Schemas

No object selected

hex 3(2) HEX 2 python sql 1 python sql 2 sql 1\*

329  
330  
331 /\*10. Write an SQL query to find the total number of orders placed by each customer and list their names along with the order count.\*/  
332  
333 • SELECT Customers.CustomerID, Customers.FirstName, Customers.LastName, COUNT(Orders.OrderID) AS OrderCount  
334 FROM Customers  
335 LEFT JOIN Orders ON Customers.CustomerID = Orders.CustomerID  
336 GROUP BY Customers.CustomerID, Customers.FirstName, Customers.LastName;

Result Grid | Filter Rows: Export: Wrap Cell Content:

CustomerID	FirstName	LastName	OrderCount
1	Sid	Mundhe	4
2	Vedu	Wagh	4
3	Sonu	Jaybhay	2
4	Tejas	Mundhe	0
5	Satish	More	0
6	Teju	Patel	0
7	Ankit	Dudhani	0
8	Shubham	Charkha	0
9	Akanksha	Negi	0
10	Ishan	Mitall	0
11	Himanshu	Patel	0

Result 16 × Read Only

Output

Action Output

#	Time	Action	Message	Duration / Fetch
24	12:56:35	SELECT AVG(TotalAmount) AS AverageOrderValue FROM Orders LIMIT 0, 1000	1 row(s) returned	0.000 sec / 0.000 sec
25	12:57:02	SELECT Customers.CustomerID, Customers.FirstName, Customers.LastName, COU...	11 row(s) returned	0.000 sec / 0.000 sec

Object Info Session