

Last login: Mon Aug 12 18:28:47 on ttys011

[shivaym@Shivays-MacBook-Air ~ % mysql -u root

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 25

Server version: 9.0.1 Homebrew

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

[mysql> show databases;

| Database |
|--------------------|
| employee |
| information_schema |
| mysql |
| performance_schema |
| shivay |
| sys |
| walmart_sales |

7 rows in set (0.06 sec)

[mysql> USE walmart_sales;

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> CREATE TABLE Sales (

```
-> Invoice_ID INT PRIMARY KEY,
-> Branch VARCHAR(50),
-> City VARCHAR(50),
-> Customer_type VARCHAR(50),
-> Gender VARCHAR(10),
-> Product_line VARCHAR(50),
-> Unit_price DECIMAL(10, 2),
-> Quantity INT,
-> Tax_5 DECIMAL(10, 2),
-> Total DECIMAL(10, 2),
-> Date DATE,
-> Time TIME,
-> Payment VARCHAR(50),
-> cogs DECIMAL(10, 2),
-> gross_margin_percentage DECIMAL(5, 2),
-> gross_income DECIMAL(10, 2),
-> Rating INT
-> );
```

Query OK, 0 rows affected (0.18 sec)

TerminalShellEditViewWindowHelp

shivaym — mysql -u root — 204x57

```
mysql> INSERT INTO Sales (Invoice_ID, Branch, City, Customer_type, Gender, Product_line, Unit_price, Quantity, Tax_5, Total, Date, Time, Payment, cogs, gross_margin_percentage, gross_income, Rating) VALUES
S
-> (1, 'A', 'Delhi', 'Member', 'Female', 'Electronics', 100.00, 2, 10.00, 210.00, '2024-08-01', '10:30:00', 'Credit Card', 180.00, 15.00, 30.00, 4),
-> (2, 'B', 'Delhi', 'Normal', 'Male', 'Furniture', 250.00, 1, 12.50, 262.50, '2024-08-02', '11:15:00', 'Cash', 220.00, 20.00, 42.50, 5),
-> (3, 'C', 'Noida', 'Member', 'Female', 'Clothing', 75.00, 4, 15.00, 315.00, '2024-08-03', '12:00:00', 'Credit Card', 300.00, 10.00, 15.00, 3),
-> (4, 'A', 'Delhi', 'Normal', 'Male', 'Electronics', 200.00, 1, 10.00, 210.00, '2024-08-04', '13:30:00', 'Cash', 180.00, 20.00, 30.00, 4),
-> (5, 'B', 'Delhi', 'Member', 'Female', 'Furniture', 150.00, 2, 15.00, 315.00, '2024-08-05', '14:45:00', 'Credit Card', 270.00, 15.00, 45.00, 5),
-> (6, 'C', 'Noida', 'Normal', 'Male', 'Clothing', 50.00, 3, 7.50, 157.50, '2024-08-06', '15:30:00', 'Cash', 135.00, 10.00, 22.50, 2),
-> (7, 'A', 'Delhi', 'Member', 'Female', 'Electronics', 120.00, 5, 30.00, 630.00, '2024-08-07', '16:00:00', 'Credit Card', 600.00, 15.00, 30.00, 4),
-> (8, 'B', 'Delhi', 'Normal', 'Male', 'Furniture', 300.00, 1, 15.00, 315.00, '2024-08-08', '17:00:00', 'Cash', 270.00, 20.00, 45.00, 5),
-> (9, 'C', 'Noida', 'Member', 'Female', 'Clothing', 85.00, 2, 8.50, 178.50, '2024-08-09', '18:00:00', 'Credit Card', 170.00, 10.00, 8.50, 3),
-> (10, 'A', 'Delhi', 'Normal', 'Male', 'Electronics', 220.00, 1, 11.00, 231.00, '2024-08-10', '19:30:00', 'Cash', 200.00, 18.00, 31.00, 5);
Query OK, 10 rows affected (0.07 sec)
Records: 10  Duplicates: 0  Warnings: 0
```

```
mysql> SELECT COUNT(*) FROM Sales;
```

```
+-----+
```

```
| COUNT(*) |
```

```
+-----+
```

```
|      10 |
```

```
+-----+
```

```
1 row in set (0.03 sec)
```

```
mysql> SELECT Branch, SUM(Total) AS Total_Sales  
      -> FROM Sales  
      -> GROUP BY Branch;
```

| Branch | Total_Sales |
|--------|-------------|
| A | 1281.00 |
| B | 892.50 |
| C | 651.00 |

```
3 rows in set (0.00 sec)
```

```
mysql> SELECT Product_line, AVG(Rating) AS Average_Rating  
-> FROM Sales  
-> GROUP BY Product_line;
```

| Product_line | Average_Rating |
|--------------|----------------|
| Electronics | 4.2500 |
| Furniture | 5.0000 |
| Clothing | 2.6667 |

```
3 rows in set (0.01 sec)
```

```
mysql> SELECT * FROM Sales
      -> WHERE Payment = 'Credit Card';
```

| Sales Data Report - Q3 2024 | | | | | | | | | | | | | | | | | | |
|----------------------------------|--------|------|---------------|--------|--------------|-------------|----------|-------|-------|--------|------------|----------|-------------|-------------------------|--------------|--------|--|--|
| Detailed Transaction Information | | | | | | | | | | | | | | | | | | |
| Invoice_ID | Branch | City | Customer_type | Gender | Product_line | Unit_price | Quantity | Tax_5 | Total | Date | Time | Payment | cogs | gross_margin_percentage | gross_income | Rating | | |
| 4 | 1 | A | Delhi | Member | Female | Electronics | 100.00 | 2 | 10.00 | 210.00 | 2024-08-01 | 10:30:00 | Credit Card | 180.00 | 15.00 | 30.00 | | |
| 3 | 3 | C | Noida | Member | Female | Clothing | 75.00 | 4 | 15.00 | 315.00 | 2024-08-03 | 12:00:00 | Credit Card | 300.00 | 10.00 | 15.00 | | |
| 5 | 5 | B | Delhi | Member | Female | Furniture | 150.00 | 2 | 15.00 | 315.00 | 2024-08-05 | 14:45:00 | Credit Card | 270.00 | 15.00 | 45.00 | | |
| 4 | 7 | A | Delhi | Member | Female | Electronics | 120.00 | 5 | 30.00 | 630.00 | 2024-08-07 | 16:00:00 | Credit Card | 600.00 | 15.00 | 30.00 | | |
| 3 | 9 | C | Noida | Member | Female | Clothing | 85.00 | 2 | 8.50 | 178.50 | 2024-08-09 | 18:00:00 | Credit Card | 170.00 | 10.00 | 8.50 | | |

```
+-----+-----+
----+
5 rows in set (0.01 sec)
```

```
mysql> SELECT MAX(Unit_price) AS Max_Unit_Price, MIN(Unit_price) AS Min_Unit_Price  
       -> FROM Sales;
```

| | |
|----------------|----------------|
| | |
| Max_Unit_Price | Min_Unit_Price |
| 300.00 | 50.00 |

```
1 row in set (0.12 sec)
```

```
mysql> SELECT SUM(Total) AS Total_Revenue  
      -> FROM Sales  
      -> WHERE City = 'Delhi';
```

| Total_Revenue |
|---------------|
| 2173.50 |

```
1 row in set (0.00 sec)
```



```
mysql> SELECT AVG(gross_margin_percentage) AS Avg_Gross_Margin  
-> FROM Sales  
-> WHERE Product_line = 'Furniture';
```

| Avg_Gross_Margin |
|------------------|
| 18.333333 |

```
1 row in set (0.00 sec)
```

```
mysql> SELECT * FROM Sales
      -> WHERE Rating = 5;
```

```
mysql> SELECT Customer_type, SUM(Tax_5) AS Total_Tax  
      -> FROM Sales  
      -> GROUP BY Customer_type;
```

| Customer_type | Total_Tax |
|---------------|-----------|
| Member | 78.50 |
| Normal | 56.00 |

```
2 rows in set (0.02 sec)
```

```
mysql> SELECT Product_line, SUM(Quantity) AS Total_Quantity  
      -> FROM Sales  
      -> GROUP BY Product_line;
```

| Product_line | Total_Quantity |
|--------------|----------------|
| Electronics | 9 |
| Furniture | 4 |
| Clothing | 9 |

```
3 rows in set (0.00 sec)
```

```
mysql> SELECT * FROM Sales
-> WHERE Date BETWEEN '2024-08-01' AND '2024-08-31';
```

| Rating | Invoice_ID | Branch | City | Customer_type | Gender | Product_line | Unit_price | Quantity | Tax_5 | Total | Date | Time | Payment | cogs | gross_margin_percentage | gross_income | Rating |
|--------|------------|--------|-------|---------------|--------|--------------|------------|----------|-------|--------|------------|----------|-------------|--------|-------------------------|--------------|--------|
| 4 | 1 | A | Delhi | Member | Female | Electronics | 100.00 | 2 | 10.00 | 210.00 | 2024-08-01 | 10:30:00 | Credit Card | 180.00 | 15.00 | 30.00 | |
| 5 | 2 | B | Delhi | Normal | Male | Furniture | 250.00 | 1 | 12.50 | 262.50 | 2024-08-02 | 11:15:00 | Cash | 220.00 | 20.00 | 42.50 | |
| 3 | 3 | C | Noida | Member | Female | Clothing | 75.00 | 4 | 15.00 | 315.00 | 2024-08-03 | 12:00:00 | Credit Card | 300.00 | 10.00 | 15.00 | |
| 4 | 4 | A | Delhi | Normal | Male | Electronics | 200.00 | 1 | 10.00 | 210.00 | 2024-08-04 | 13:30:00 | Cash | 180.00 | 20.00 | 30.00 | |
| 5 | 5 | B | Delhi | Member | Female | Furniture | 150.00 | 2 | 15.00 | 315.00 | 2024-08-05 | 14:45:00 | Credit Card | 270.00 | 15.00 | 45.00 | |
| 2 | 6 | C | Noida | Normal | Male | Clothing | 50.00 | 3 | 7.50 | 157.50 | 2024-08-06 | 15:30:00 | Cash | 135.00 | 10.00 | 22.50 | |
| 4 | 7 | A | Delhi | Member | Female | Electronics | 120.00 | 5 | 30.00 | 630.00 | 2024-08-07 | 16:00:00 | Credit Card | 600.00 | 15.00 | 30.00 | |
| 5 | 8 | B | Delhi | Normal | Male | Furniture | 300.00 | 1 | 15.00 | 315.00 | 2024-08-08 | 17:00:00 | Cash | 270.00 | 20.00 | 45.00 | |
| 3 | 9 | C | Noida | Member | Female | Clothing | 85.00 | 2 | 8.50 | 178.50 | 2024-08-09 | 18:00:00 | Credit Card | 170.00 | 10.00 | 8.50 | |
| 5 | 10 | A | Delhi | Normal | Male | Electronics | 220.00 | 1 | 11.00 | 231.00 | 2024-08-10 | 19:30:00 | Cash | 200.00 | 18.00 | 31.00 | |

10 rows in set (0.00 sec)

```
mysql> SELECT AVG(Unit_price) AS Avg_Unit_Price  
      -> FROM Sales  
      -> WHERE City = 'Noida';
```

| Avg_Unit_Price |
|----------------|
| 70.000000 |

```
1 row in set (0.00 sec)
```

```
mysql> SELECT * FROM Sales
      -> WHERE Total > 300;
```

| Sales Data Report - Q3 2024 | | | | | | | | | | | | | | | | | |
|----------------------------------|--------|-------|---------------|--------|--------------|------------|----------|-------|--------|------------|----------|-------------|--------|-------------------------|--------------|--------|--|
| Detailed Transaction Information | | | | | | | | | | | | | | | | | |
| Invoice_ID | Branch | City | Customer_type | Gender | Product_line | Unit_price | Quantity | Tax_5 | Total | Date | Time | Payment | cogs | gross_margin_percentage | gross_income | Rating | |
| 3 | C | Noida | Member | Female | Clothing | 75.00 | 4 | 15.00 | 315.00 | 2024-08-03 | 12:00:00 | Credit Card | 300.00 | 10.00 | 15.00 | 3 | |
| 5 | B | Delhi | Member | Female | Furniture | 150.00 | 2 | 15.00 | 315.00 | 2024-08-05 | 14:45:00 | Credit Card | 270.00 | 15.00 | 45.00 | 5 | |
| 7 | A | Delhi | Member | Female | Electronics | 120.00 | 5 | 30.00 | 630.00 | 2024-08-07 | 16:00:00 | Credit Card | 600.00 | 15.00 | 30.00 | 4 | |
| 8 | B | Delhi | Normal | Male | Furniture | 300.00 | 1 | 15.00 | 315.00 | 2024-08-08 | 17:00:00 | Cash | 270.00 | 20.00 | 45.00 | 5 | |

```
+-----+-----+
----+
4 rows in set (0.00 sec)
```

```
mysql> SELECT City, SUM(cogs) AS Total_COGS  
      -> FROM Sales  
      -> GROUP BY City;
```

| City | Total_COGS |
|-------|------------|
| Delhi | 1920.00 |
| Noida | 605.00 |

```
2 rows in set (0.00 sec)
```



```
mysql> SELECT Branch, MAX(gross_income) AS Max_Gross_Income  
-> FROM Sales  
-> GROUP BY Branch;
```

| Branch | Max_Gross_Income |
|--------|------------------|
| A | 31.00 |
| B | 45.00 |
| C | 22.50 |

```
3 rows in set (0.00 sec)
```