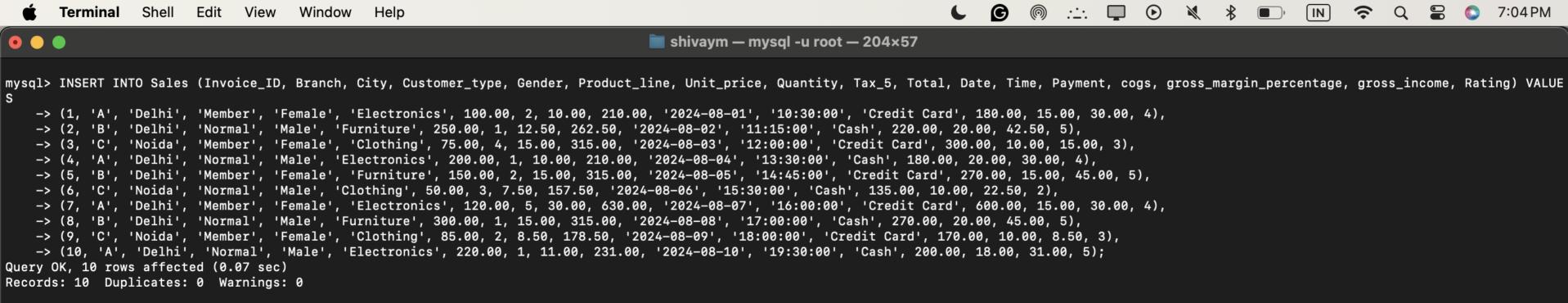
```
• • •
Last login: Mon Aug 12 18:28:47 on ttys011
shivaym@Shivays-MacBook-Air ~ % mysql -u root
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 25
Server version: 9.0.1 Homebrew
Copyright (c) 2000, 2024, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
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)
```



```
mysql> SELECT COUNT(*) FROM Sales;
+----+
| COUNT(*) |
1 row in set (0.03 sec)
```

```
mysgl> SELECT Branch, SUM(Total) AS Total Sales
   -> FROM Sales
   -> GROUP BY Branch:
| Branch | Total Sales |
              1281.00
ΙВ
              892.50
               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> SEI -> WHE	RE P	ayment =	'Credit		.					+	·			+	.		+
ing				Customer_type								Time	Payment	cogs	gross_margin_percentage		
+ 4	1			Member		Electronics	100.00					•	Credit Card		15.00		
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	В	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	ı
4	7	Α	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			Member		Clothing	85.00						Credit Card				
++ 5 rows in	·				+		·			+	·			+			+==

```
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)
```

```
mysgl> 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)
```

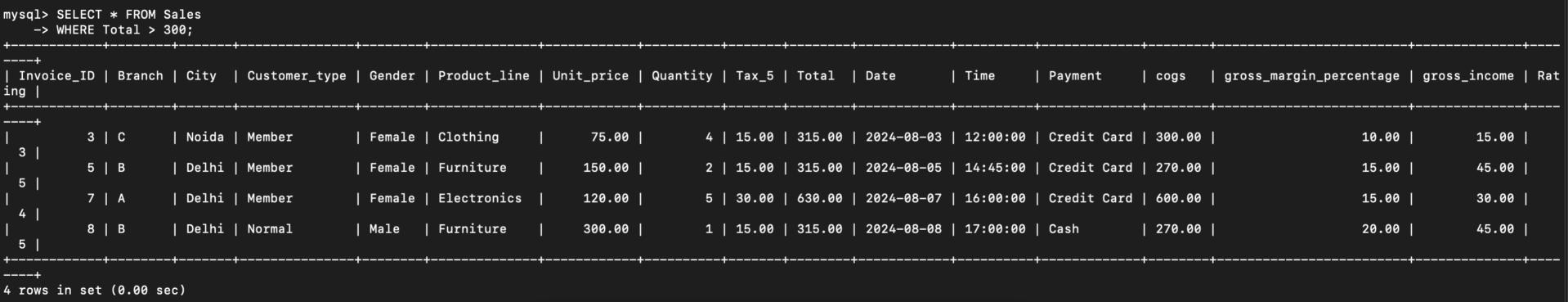
```
mysql> SELECT * FROM Sales
  -> WHERE Rating = 5;
    Invoice_ID | Branch | City | Customer_type | Gender | Product_line | Unit_price | Quantity | Tax_5 | Total | Date
                                                                                     gross_margin_percentage | gross_income | Rat
                                                                        | Payment
2 | B
            Delhi | Normal
                                        250.00
                                                 1 | 12.50 | 262.50 | 2024-08-02 | 11:15:00 | Cash
                                                                               | 220.00
                                                                                               20.00
                                                                                                       42.50
                             | Furniture
            Delhi | Member
                                        150.00 |
                                                 2 | 15.00 | 315.00 | 2024-08-05 | 14:45:00 | Credit Card | 270.00 |
                                                                                                       45.00
     5 | B
                         Female | Furniture
                                                                                               15.00
     8 | B
            Delhi | Normal
                             | Furniture
                                        300.00
                                                 1 | 15.00 | 315.00 | 2024-08-08 | 17:00:00 | Cash
                                                                                270.00
                                                                                               20.00
                                                                                                       45.00
     10 | A
            Delhi | Normal
                             | Electronics
                                        220.00
                                                 1 | 11.00 | 231.00 | 2024-08-10 | 19:30:00 | Cash
                                                                                200.00
                                                                                                       31.00
                         Male
                                                                                               18.00
       4 rows in set (0.01 sec)
```

```
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)
```

```
mysgl> SELECT Product_line, SUM(Quantity) AS Total_Quantity
    -> FROM Sales
    -> GROUP BY Product line;
| Product_line | Total_Quantity
  Electronics
 Furniture
  Clothing
3 rows in set (0.00 sec)
```

ı		Branch		Customer_type		· –			_	•		Time	Payment	cogs	gross_margin_percentage		·
+	1			Member		 Electronics	100.00						Credit Card			30.00	
: : .	2	В	Delhi	Normal	Male	Furniture	250.00	1	12.50	262.50	2024-08-02	11:15:00	Cash	220.00	20.00	42.50	1
5	3	С	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	1
3	4	Α	Delhi	Normal	Male	Electronics	200.00	1	10.00	210.00	2024-08-04	13:30:00	Cash	180.00	20.00	30.00	1
·	5	В	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	1
5 2	6	С	Noida	Normal	Male	Clothing	50.00	3	7.50	157.50	2024-08-06	15:30:00	Cash	135.00	10.00	22.50	I
. .	7	Α	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	I
	8	В	Delhi	Normal	Male	Furniture	300.00	1	15.00	315.00	2024-08-08	17:00:00	Cash	270.00	20.00	45.00	1
	9	С	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	I
•	10	Α	Delhi	Normal	Male	Electronics	220.00	1	11.00	231.00	2024-08-10	19:30:00	Cash	200.00	18.00	31.00	1

```
mysal> SELECT AVG(Unit price) AS Ava Unit Price
    -> FROM Sales
    -> WHERE City = 'Noida';
| Avg_Unit_Price |
    70.000000
1 row in set (0.00 sec)
```



```
mvsql> SELECT City, SUM(cogs) AS Total COGS
   -> FROM Sales
   -> GROUP BY City;
+-----
| Citv | 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
                      31.00
ΙВ
                      45.00
                      22.50
3 rows in set (0.00 sec)
```