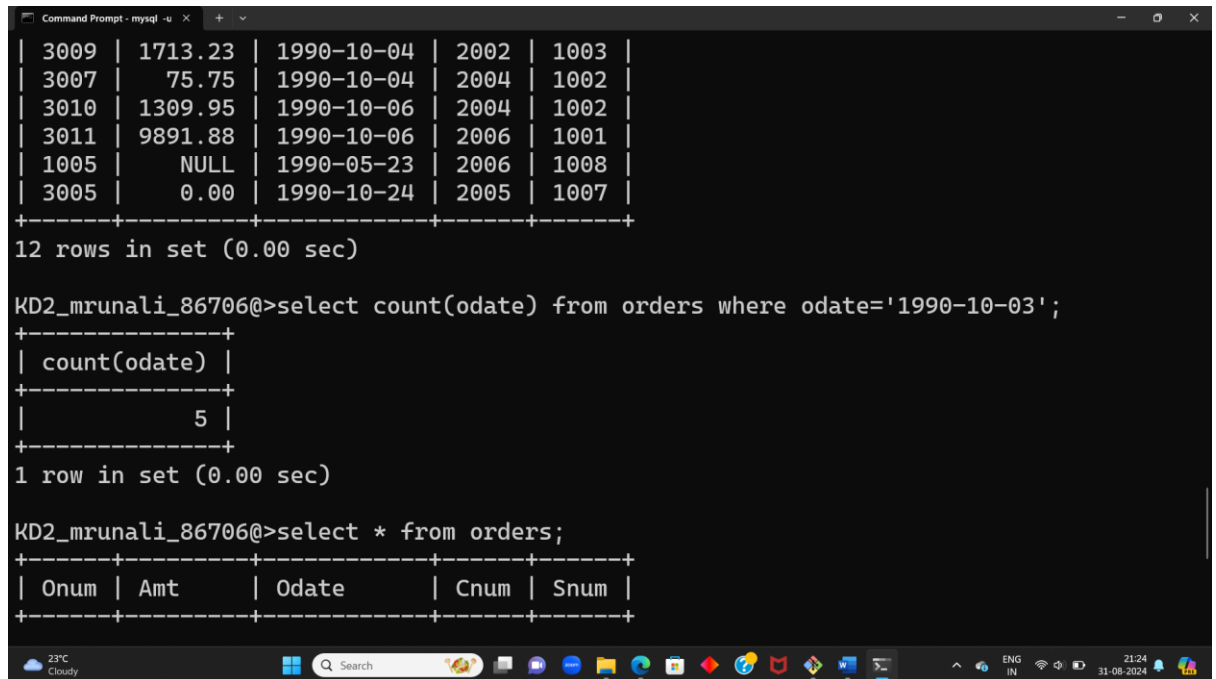


# Assignment 07

1) Write a query that counts all orders for October 3.?

Ans→select count(odate) from orders where odate='1990-10-03';

```
Command Prompt - mysql -u x + -  
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |  
| 3007 | 75.75 | 1990-10-04 | 2004 | 1002 |  
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |  
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |  
| 1005 | NULL | 1990-05-23 | 2006 | 1008 |  
| 3005 | 0.00 | 1990-10-24 | 2005 | 1007 |  
+-----+-----+-----+-----+-----+  
12 rows in set (0.00 sec)  
  
KD2_mrunali_86706@>select count(odate) from orders where odate='1990-10-03';  
+-----+  
| count(odate) |  
+-----+  
| 5 |  
+-----+  
1 row in set (0.00 sec)  
  
KD2_mrunali_86706@>select * from orders;  
+-----+-----+-----+-----+-----+  
| Onum | Amt | Odate | Cnum | Snum |  
+-----+-----+-----+-----+-----+
```

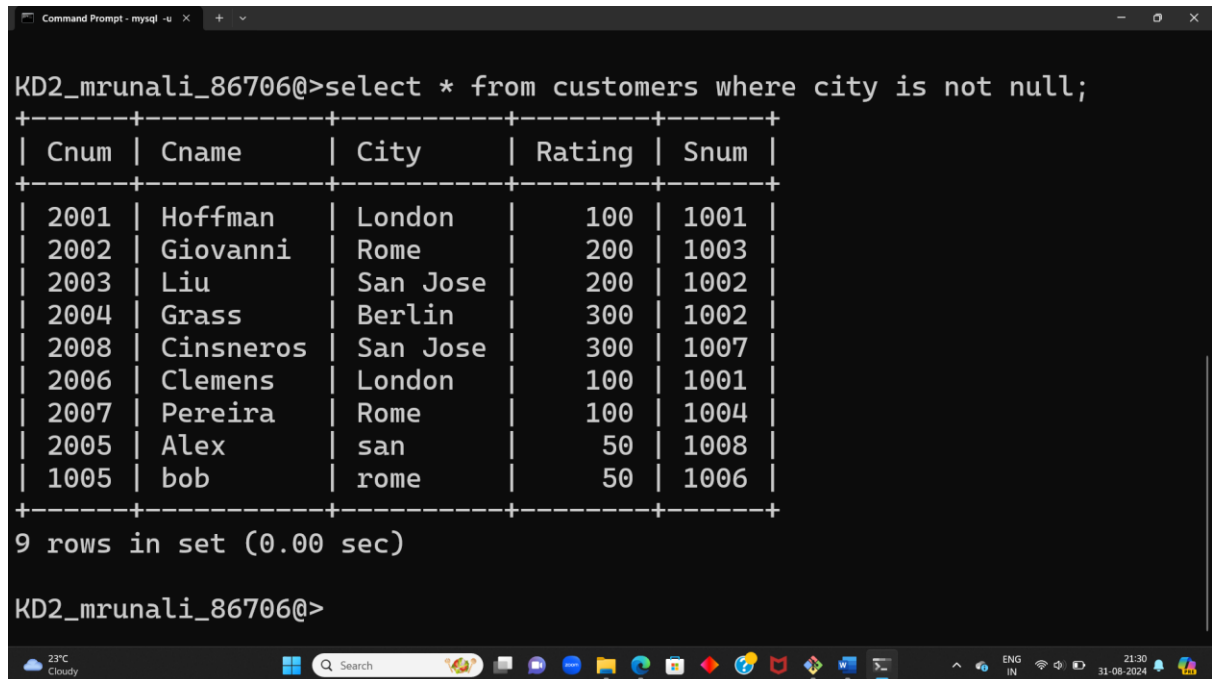


2)Write a query that counts the number of different non-NULL city values in the Customers table.?

Ans→select \* from customers where city is not null;

```
Command Prompt - mysql -u x
KD2_mrunali_86706@>select * from customers where city is not null;
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2001 | Hoffman | London | 100    | 1001 |
| 2002 | Giovanni | Rome   | 200    | 1003 |
| 2003 | Liu     | San Jose | 200    | 1002 |
| 2004 | Grass   | Berlin  | 300    | 1002 |
| 2008 | Cinsneros | San Jose | 300    | 1007 |
| 2006 | Clemens | London  | 100    | 1001 |
| 2007 | Pereira | Rome    | 100    | 1004 |
| 2005 | Alex    | san     | 50     | 1008 |
| 1005 | bob     | rome    | 50     | 1006 |
+-----+-----+-----+-----+-----+
9 rows in set (0.00 sec)

KD2_mrunali_86706@>
```



3)Write a query that selects each customer's smallest order.?

Ans→>select onum,min(amt) from orders group by onum;

```
+-----+-----+
KD2_mrunali_86706@>select onum,min(amt) from orders group by onum;
+-----+-----+
| onum | min(amt) |
+-----+-----+
| 3001 | 18.69    |
| 3002 | 1900.10  |
| 3008 | 4723.00  |
| 3003 | 767.19   |
| 3005 | 0.00     |
| 3006 | 1098.16  |
| 3009 | 1713.23  |
| 3007 | 75.75    |
| 3010 | 1309.95  |
| 3011 | 9891.88  |
| 1005 | NULL     |
+-----+-----+
11 rows in set (0.03 sec)
```

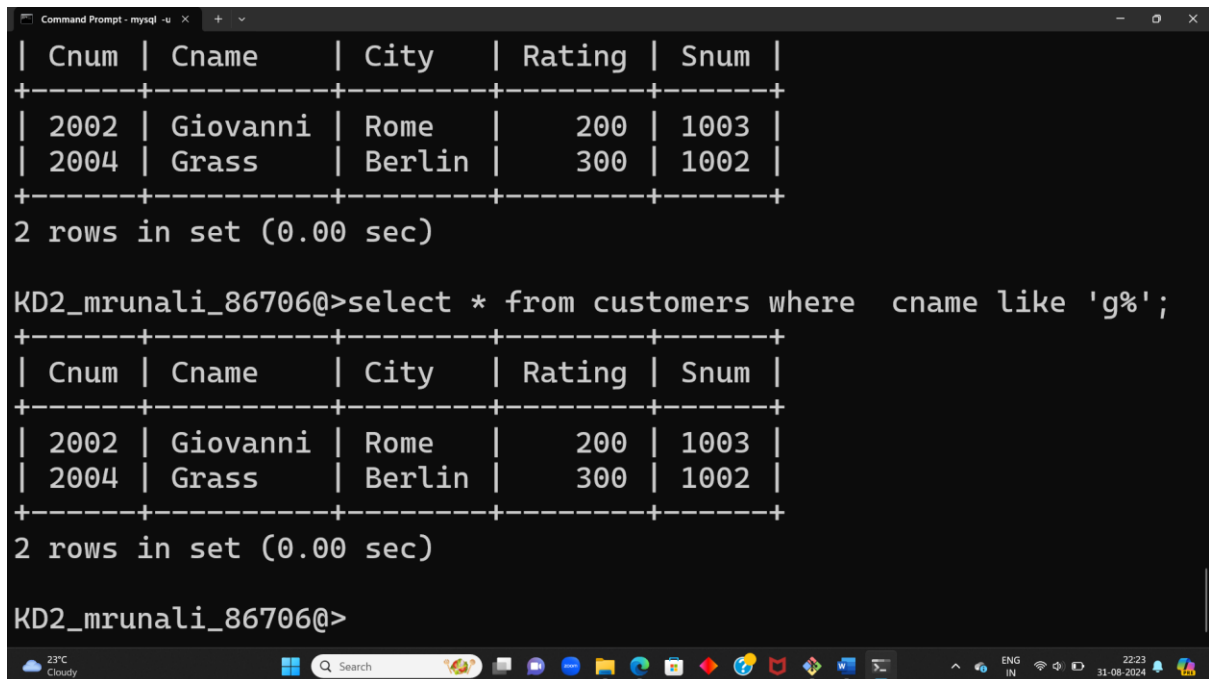
4) Write a query that selects the first customer, in alphabetical order, whose name begins with G.?

Ans→select \* from customers where cname like 'g%';

```
Command Prompt - mysql -u <...>
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome   | 200    | 1003 |
| 2004 | Grass   | Berlin | 300    | 1002 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

KD2_mrunali_86706@>select * from customers where  cname like 'g%';
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome   | 200    | 1003 |
| 2004 | Grass   | Berlin | 300    | 1002 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

KD2_mrunali_86706@>
```



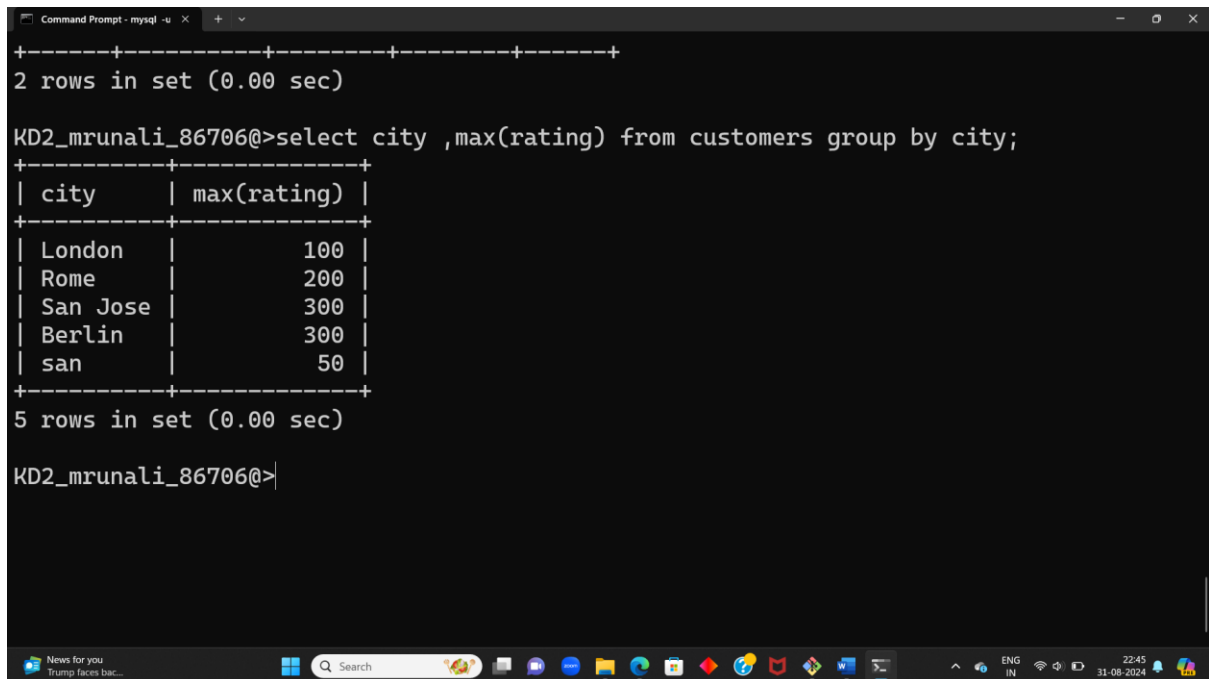
5) Write a query that selects the highest rating in each city.?

Ans→select city ,max(rating) from customers group by city;

```
Command Prompt - mysql -u x
+-----+
2 rows in set (0.00 sec)

KD2_mrunali_86706@>select city ,max(rating) from customers group by city;
+-----+
| city | max(rating) |
+-----+
| London | 100 |
| Rome | 200 |
| San Jose | 300 |
| Berlin | 300 |
| san | 50 |
+-----+
5 rows in set (0.00 sec)

KD2_mrunali_86706@>
```



6) Write a query that counts the number of salespeople registering orders for each day. (If a salesperson has more than one order on a given day, he or she should be counted only once.).?

Ans→>select odate ,count(distinct(onum)) from orders group by odate;

```
Command Prompt - mysql -u x
+-----+
| 1990-10-05 | 1 |
| 1990-10-06 | 2 |
| 1990-10-24 | 1 |
+-----+
6 rows in set (0.00 sec)

KD2_mrunali_86706@>
KD2_mrunali_86706@>select odate ,count(distinct(onum)) from orders group by odate;
+-----+
| odate      | count(distinct(onum)) |
+-----+
| 1990-05-23 | 1 |
| 1990-10-03 | 5 |
| 1990-10-04 | 2 |
| 1990-10-05 | 1 |
| 1990-10-06 | 2 |
| 1990-10-24 | 1 |
+-----+
6 rows in set (0.00 sec)

KD2_mrunali_86706@>
```