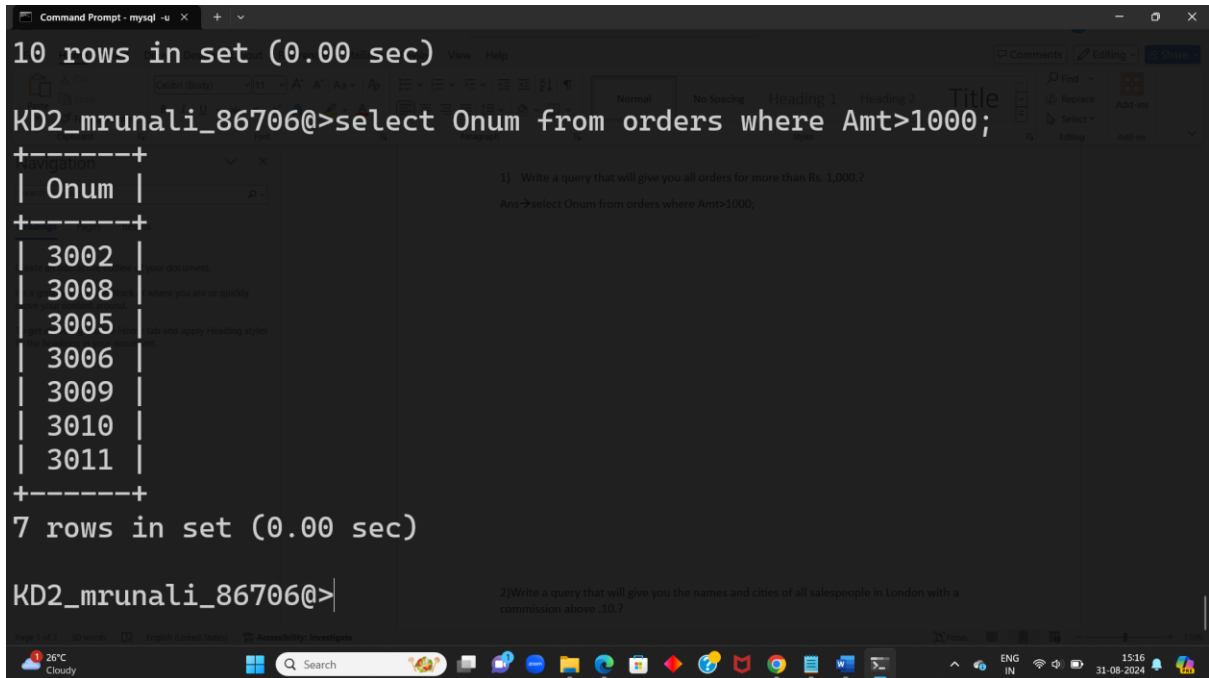


Assignment 05

1) Write a query that will give you all orders for more than Rs. 1,000.?

Ans→select Onum from orders where Amt>1000;



```
10 rows in set (0.00 sec)
KD2_mrunali_86706@>select Onum from orders where Amt>1000;
+-----+
| Onum |
+-----+
| 3002 |
| 3008 |
| 3005 |
| 3006 |
| 3009 |
| 3010 |
| 3011 |
+-----+
7 rows in set (0.00 sec)
KD2_mrunali_86706@>
```

2) Write a query that will give you the names and cities of all salespeople in London with a commission above .10.?

Ans → select Sname , city from salespeople where city='london' and comm>0.10;

```
Command Prompt - mysql -u x + v
Empty set (0.00 sec)

KD2_mrunali_86706@>select Sname,city from salespeople where city='London'and Comm>0.10;
+-----+-----+
| Sname | city |
+-----+-----+
| Peel  | London |
| Motika | London |
+-----+-----+
2 rows in set (0.00 sec)

KD2_mrunali_86706@>
                        select * from customers;
+-----+-----+-----+-----+-----+
| 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 |
+-----+-----+-----+-----+-----+
```

- 3) Write a query on the Customers table whose output will exclude all customers with a rating ≤ 100 , unless they are located in Rome.

Ans → `>select * from customers where rating>100 and city='rome';`

```
Command Prompt - mysql -i x + v
| 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@>select * from customers where rating>100 and city='rome';
+-----+-----+-----+-----+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome | 200 | 1003 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>
```

- 4) What will be the output from the following query? Select * from Orders where (amt < 1000 OR NOT (odate = '1990-10-03' AND cnum > 2003));?

Ans→

```
Command Prompt - mysql -u x + -
+-----+-----+-----+-----+-----+
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

KD2_mrunali_86706@>select * from orders where (amt<1000 or not (odate='1990-10-03' and cnum>2003));
+-----+-----+-----+-----+-----+
| Onum | Amt      | Odate      | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69    | 1990-10-03 | 2008 | 1007 |
| 3008 | 4723.00  | 1990-10-05 | 2006 | 1001 |
| 3003 | 767.19   | 1990-10-03 | 2007 | 1001 |
| 3005 | 5160.45  | 1990-10-03 | 2003 | 1002 |
| 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 |
+-----+-----+-----+-----+
8 rows in set (0.00 sec)

KD2_mrunali_86706@>
```

- 5) What will be the output of the following query? Select * from Orders where NOT ((odate = '1990-10-03' OR snum >1006) AND amt >= 1500);?

Ans→

```
Command Prompt - mysql -u +
+-----+-----+-----+-----+-----+
| Onum | Amt | Odate | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 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 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

KD2_mrunali_86706@>select * from orders where not ((odate='1990-10-03' or snum>1006 and amt>=1500));
+-----+-----+-----+-----+-----+
| Onum | Amt | Odate | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 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 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

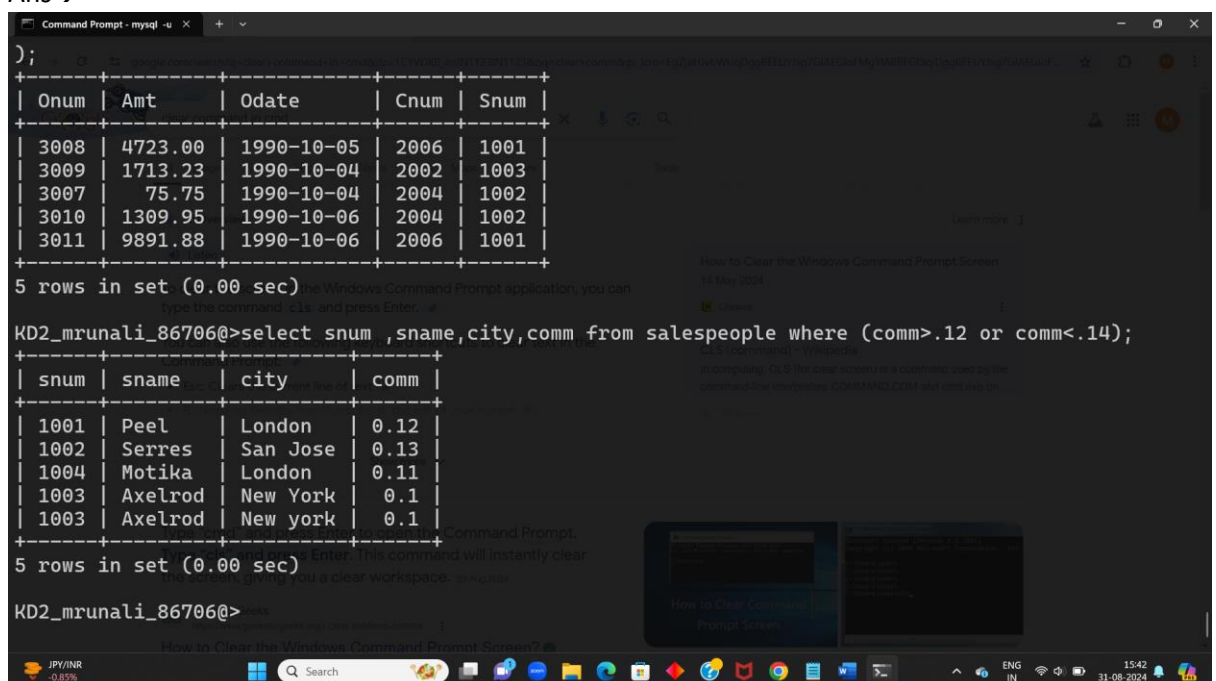
KD2_mrunali_86706@>
```

5) What will be the output of the following query? Select * from Orders where NOT ((odate = '1990-10-03' OR snum >1006) AND amt >= 1500);?

Ans→

- 6) What is a simpler way to write this query? Select snum, sname, city, comm From Salespeople where (comm > .12 OR comm < .14);

Ans→



The screenshot shows a Windows Command Prompt window with a MySQL connection. The prompt is `KD2_mrunali_86706@>`. The user has entered a query: `select snum ,sname,city,comm from salespeople where (comm>.12 or comm<.14);`. The output shows 5 rows of data. The table has columns: snum, sname, city, and comm. The data is as follows:

snum	sname	city	comm
1001	Peel	London	0.12
1002	Serres	San Jose	0.13
1004	Motika	London	0.11
1003	Axelrod	New York	0.1
1003	Axelrod	New york	0.1

The prompt shows the command was executed successfully, returning 5 rows in 0.00 seconds. The Windows taskbar at the bottom shows the date as 31-08-2024 and the time as 15:42.