

Assignment 11

- 1) Write a query that uses a subquery to obtain all orders for the customer named Cisneros. Assume you do not know his customer number (cnum).?

Ans→ > select * from orders where cnum=(select cnum from customers where cname='cinsneros');

```
Command Prompt - mysql -u ...  
+-----+  
| 2005 | Alex | san | 50 | 1008 |  
| 1005 | bob | rome | 50 | 1006 |  
+-----+  
9 rows in set (0.00 sec)  
  
KD2_mrunali_86706@>select count(onum) from orders where cnum=(select cnum from customers where cname='cinsneros');  
+-----+  
| count(onum) |  
+-----+  
| 2 |  
+-----+  
1 row in set (0.00 sec)  
  
KD2_mrunali_86706@>select * from orders where cnum=(select cnum from customers where cname='cinsneros');  
+-----+  
| Onum | Amt | Odate | Cnum | Snum |  
+-----+  
| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |  
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |  
+-----+  
2 rows in set (0.00 sec)  
  
KD2_mrunali_86706@>
```

2) Write a query that produces the names and ratings of all customers who have above-average orders.?

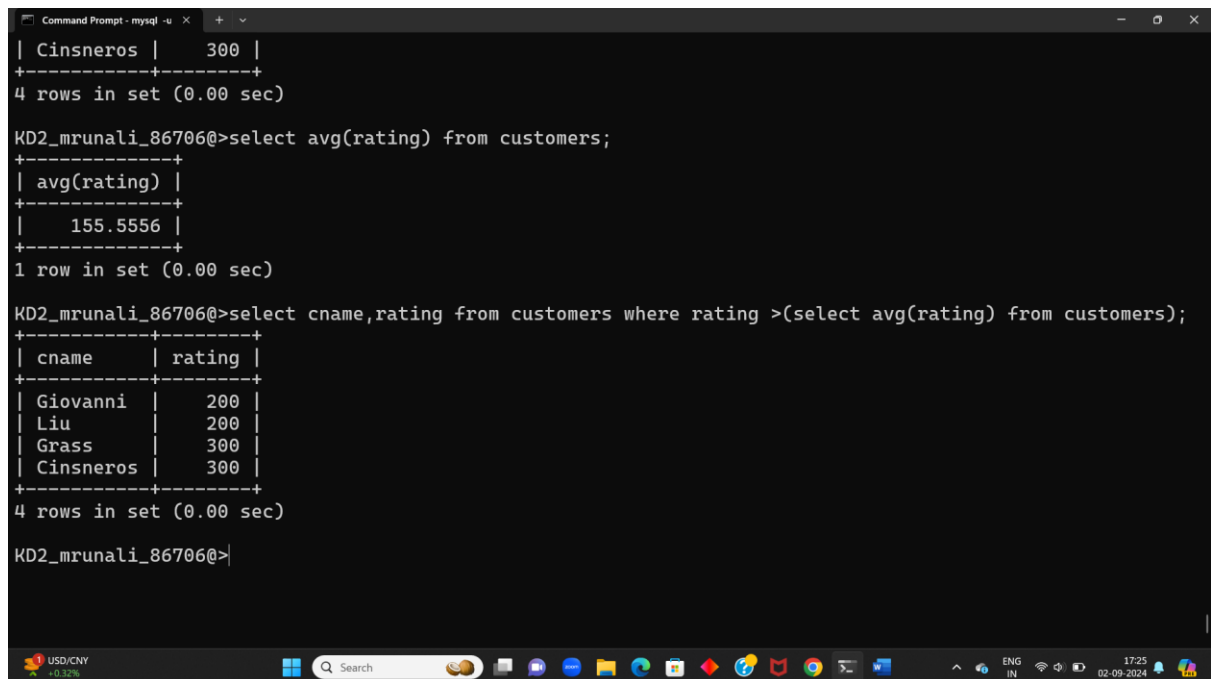
Ans→ `select cname,rating from customers where rating >(select avg(rating) from customers);`

```
Command Prompt - mysql -u x
+-----+
| Cinsneros | 300 |
+-----+
4 rows in set (0.00 sec)

KD2_mrunali_86706@>select avg(rating) from customers;
+-----+
| avg(rating) |
+-----+
| 155.5556 |
+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>select cname,rating from customers where rating >(select avg(rating) from customers);
+-----+-----+
| cname | rating |
+-----+-----+
| Giovanni | 200 |
| Liu | 200 |
| Grass | 300 |
| Cinsneros | 300 |
+-----+-----+
4 rows in set (0.00 sec)

KD2_mrunali_86706@>
```



- 3) Write a query that selects the total amount in orders for each salesperson for whom this total is greater than the amount of the largest order in the table?

Ans→ `select cnum from orders where amt>floor((select max(amt) from orders));`

```
Command Prompt - mysql -u x
KD2_mrunali_86706@>select cnum from orders where amt<floor((select max(amt) from orders)) group by cnum;
+-----+
| cnum |
+-----+
| 2008 |
| 2007 |
| 2006 |
| 2003 |
| 2002 |
| 2004 |
| 2005 |
+-----+
7 rows in set (0.00 sec)

KD2_mrunali_86706@>select cnum from orders where amt>floor((select max(amt) from orders));
+-----+
| cnum |
+-----+
| 2006 |
+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>
```