

Assignment 12

- 1) Write a query that selects all customers whose ratings are equal to or greater than ANY of Serres'.

Ans → `select * from customers where rating >=any(select rating from customers where snum=(select snum from salespeople where sname='serres'));`

```
Command Prompt - mysql -u <user>
+-----+
| 2004 | Grass | Berlin | 300 | 1002 |
| 2008 | Cinsneros | San Jose | 300 | 1007 |
+-----+
2 rows in set (0.00 sec)

KD2_mrunali_86706@>select * from customers where rating >=any(select rating from customers where snum=(select snum from salespeople where sname='serres'));
+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2003 | Liu | San Jose | 200 | 1002 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2008 | Cinsneros | San Jose | 300 | 1007 |
+-----+
4 rows in set (0.00 sec)

KD2_mrunali_86706@>select * from customers where rating >=any(select rating from customers where snum=(select snum from salespeople where sname='serres'));
+-----+
| Cnum | Cname | City | Rating | Snum |
+-----+
| 2002 | Giovanni | Rome | 200 | 1003 |
| 2003 | Liu | San Jose | 200 | 1002 |
| 2004 | Grass | Berlin | 300 | 1002 |
| 2008 | Cinsneros | San Jose | 300 | 1007 |
+-----+
4 rows in set (0.00 sec)

KD2_mrunali_86706@>
```

2) Write a query using ANY or ALL that will find all salespeople who have no customers located in their city.?

Ans → select cnum from customers where city not in(select city from salespeople);

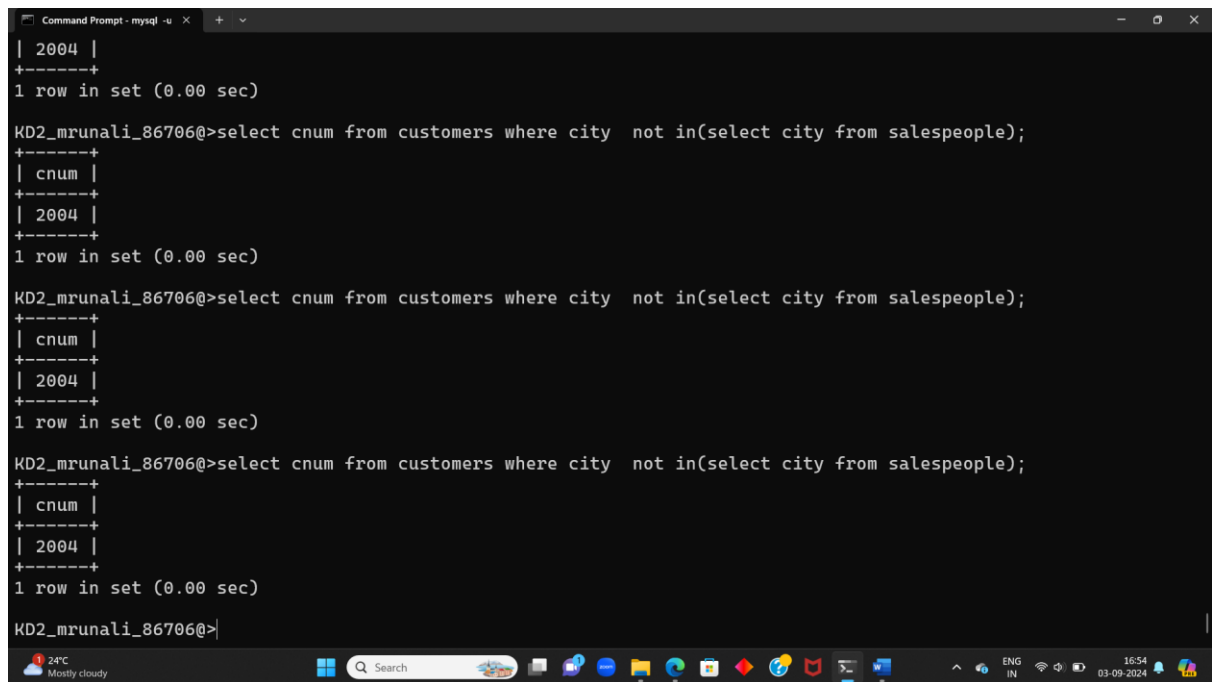
```
Command Prompt - mysql -u x + v
| 2004 |
+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>select cnum from customers where city not in(select city from salespeople);
+-----+
| cnum |
+-----+
| 2004 |
+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>select cnum from customers where city not in(select city from salespeople);
+-----+
| cnum |
+-----+
| 2004 |
+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>select cnum from customers where city not in(select city from salespeople);
+-----+
| cnum |
+-----+
| 2004 |
+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>
```



3) Write a query that selects all orders for amounts greater than any for the customers in London.?

Ans → select onum from orders where amt > any(select amt from orders where cnum = any(select cnum from customers where city = 'london'));

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

KD2_mrunali_86706@>select onum from orders where amt>any(select amt from orders where cnum =any(select cnum from customers where city='london'))
;
+-----+
| onum |
+-----+
| 3005 |
| 3011 |
+-----+
2 rows in set (0.00 sec)

KD2_mrunali_86706@>select onum from orders where amt>any(select amt from orders where cnum =any(select cnum from customers where city='london'))
;
+-----+
| onum |
+-----+
| 3005 |
| 3011 |
+-----+
2 rows in set (0.00 sec)

KD2_mrunali_86706@>select onum from orders where amt>any(select amt from orders where cnum =any(select cnum from customers where city='london'))
;
+-----+
| onum |
+-----+
| 3005 |
| 3011 |
+-----+
2 rows in set (0.00 sec)

KD2_mrunali_86706@>
```

4) Write the above query using MIN or MAX.?

Ans → select onum from orders where amt=(select max(amt) from orders where cnum=any(select cnum from customers where city='london'));

```
Command Prompt - mysql -u x + v
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ')' at line 1
KD2_mrunali_86706@>select onum from orders where amt=(>select max(amt) from orders where cnum=any(select cnum from customers where city='london'));
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '>' at line 1
KD2_mrunali_86706@>select onum from orders where amt=(select max(amt) from orders where cnum=any(select cnum from customers w
here city='london'));
+-----+
| onum |
+-----+
| 3011 |
+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>select onum from orders where amt=(select max(amt) from orders where cnum=any(select cnum from customers where city='london'));
+-----+
| onum |
+-----+
| 3011 |
+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>select onum from orders where amt=(select max(amt) from orders where cnum=any(select cnum from customers where city='london'));
+-----+
| onum |
+-----+
| 3011 |
+-----+
1 row in set (0.00 sec)

KD2_mrunali_86706@>
```

