

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

```
KD3_86710_Tanmay@>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 | cisneros | san jose | 300    | 1007 |

```
4 rows in set (0.01 sec)
```

KD3\_86710\_Tanmay@>

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

```
KD3_86710_Tanmay@>select Sname from salespeople where(snum,city) <> ALL(select Snum , city from customers);
```

| Sname   |
|---------|
| motika  |
| rifkin  |
| axelrod |

```
3 rows in set (0.00 sec)
```

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

```
KD3_86710_Tanmay@>SELECT * FROM Orders o WHERE o.amt > ANY (SELECT o2.amt FROM Orders o2 JOIN Salespeople s ON o2.snum = s.snum WHERE s.city = 'london');
```

| onum | amt     | odate      | cnum | snum |
|------|---------|------------|------|------|
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |

```
7 rows in set (0.01 sec)
```

4. Write the above query using MIN or MAX.

```
KD3_86710_Tanmay@>SELECT *
-> FROM Orders o
-> WHERE o.amt > (
->     SELECT MIN(o2.amt)
->     FROM Orders o2
->     JOIN Salespeople s ON o2.snum = s.snum
->     WHERE s.city = 'london'
-> );
```

| onum | amt     | odate      | cnum | snum |
|------|---------|------------|------|------|
| 3002 | 1900.10 | 1990-10-03 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |
| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |
| 3010 | 1309.95 | 1990-10-06 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |

```
7 rows in set (0.01 sec)
```