Assignment 12

Q1) Write a query that selects all customers whose ratings are equal to or greater than ANY of Serres'.

```
[W1_92836_Manan>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 |
| 2009  | Thomas   | null      |    200 | 1003 |
| 2010  | John     | null      |    300 | 1008 |
+-------+----------+-----------+--------+------+
6 rows in set (0.001 sec)

W1_92836_Manan>
```

Q2) Write a query using ANY or ALL that will find all salespeople who have no customers located in their city.

```
[W1_92836_Manan>select * from salespeople
[      -> where (snum, city) != all
[      -> (select snum, city from customers);
+-------+----------+-----------+------+
| Snum  | Sname    | city      | Comm |
+-------+----------+-----------+------+
| 1004  | Motika   | London    | 0.11 |
| 1007  | Rifkin   | Barcelona | 0.15 |
| 1003  | Axelrod  | New York  | 0.10 |
+-------+----------+-----------+------+
3 rows in set (0.002 sec)

W1_92836_Manan>
```

Q3) Write a query that selects all orders for amounts greater than any for the customers in London.

```
● ● ●   📁 mananshinde — mysql -u W1_92836_Manan -p — 63×20

W1_92836_Manan>select * from orders
    -> where amt > any
    -> (select amt from orders
    -> where cnum in
    -> (select cnum from customers
    -> where 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 (0.001 sec)

W1_92836_Manan>
```

Q4) Write the above query using MIN or MAX.

```
● ● ●   📁 mananshinde — mysql -u W1_92836_Manan -p — 63×20

W1_92836_Manan>select * from orders
    -> where amt>any
    -> (select min(amt) from orders
    -> where cnum in
    -> (select cnum from customers
    -> where 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 (0.001 sec)

W1_92836_Manan>
```