Assignment – 12

Using the operators IN, ANY, and ALL.

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

```
KD3_86720_Raju@>select * from customers where rating >= any(select rating fr
om customers where snum in(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)
```

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

```
KD3_86720_Raju@>select * from salespeople where (snum,city)<> all(select snu
m,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 (0.00 sec)
```

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

```
KD3_86720_Raju@>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 (0.01 sec)
```

4) Write the above query using MIN or MAX

```
KD3_86720_Raju@>select * from orders where amt > any(select MIN(amt) from or
ders 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 (0.00 sec)
```