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'.

Select * from customers where rating = any(Select rating from customers where snum = (Select salespeople.snum from salespeople where sname = 'Serres'));

```
D3_92972_Shubham>Select * from customers where rating = any(Select rating from customers where snum = (Select sa
lespeople 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 (0.00 sec)
```

2) Write a query using ANY or ALL that will find all salespeople who have no

customers located in their city.

Select salespeople.sname from salespeople where city != all (select city from customers);

```
D3_92972_Shubham>Select salespeople.sname from salespeople where city != all (select city from customers);
+---------+
| sname   |
+---------+
| Rifkin  |
| Axelrod |
+---------+
2 rows in set (0.00 sec)
```

3) Write a query that selects all orders for amounts greater than any for the

customers in London.

Select * from orders where amt >any(Select amt from orders where cnum in (select cnum from customers where city = 'London'));

```
D3_92972_Shubham>Select * from orders where amt >any(Select amt from orders where cnum in (select cnum from cust
ndon'));
+------+---------+------------+------+------+
| 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)
```

4) Write the above query using MIN or MAX.

Select * from orders where amt >any(select min(amt) from orders where cnum in(select cnum from customers where city = 'London'));

```
D3_92972_Shubham>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 (0.00 sec)
```