

## 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'.

```
KD2-87199-PRATHAMESH@>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 Rose	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.

```
KD2-87199-PRATHAMESH@>select * from salespeople where city!=all(select city from customers);
```

Snum	Sname	City	Comm
1007	Rifkin	Barcelona	0.15
1003	Axelrod	New York	0.10

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.

```
KD2-87199-PRATHAMESH@>select * from orders where amt>any(select amt from orders where cnum=any(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)

See below

4) Write the above query using MIN or MAX.

```
KD2-87199-PRATHAMESH@>select * from orders where amt>(select min(amt) from orders where cnum=any(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)