

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'.

```
KD2-87412-Abhishek@> select cname from customers where rating >= any (select rating from customers where Snum = (select Snum from salespeople where sname ='Serres'));
```

cname
Gionavi
liu
Grass
Cisneros

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

```
KD2-87412-Abhishek@>
```

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

```
KD2-87412-Abhishek@> SELECT SNAME FROM SALESPEOPLE WHERE CITY != ALL (SELECT DISTINCT (CITY) FROM CUSTOMERS);
```

SNAME
Serres
Rifkin
Axelord

```
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.

```
KD2-87412-Abhishek@>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)
```

4) Write the above query using MINorMAX

```
KD2-87412-Abhishek@>SELECT *  
-> FROM orders WHERE amt > (SELECT min(amt) FROM customers  
-> NATURAL JOIN orders 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)