

## 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'.

```
D2_92814_Krushna>select * from customers where rating in (select
  rating from customers where snum = (select Snum from salespeopl
e where Sname ='Serres'));
```

Cnum	Cname	City	Rating	Snum
2002	Giovanni	Rome	200	1003
2003	Liu	San Jose	200	1002
2004	Grass	Berlin	300	1002

3 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.

```
D2_92814_Krushna>select * from salespeople where city <> all(sel
ect 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.

```
D2_92814_Krushna>select * from orders where amt >=any( select amt from orders,customers where orders.cnum = customers.cnum and customers.city = 'London');
```

Onum	Amt	Odate	Cnum	Snum
3003	767.19	1990-10-03	2001	1007
3003	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2008	1007
3006	1098.16	1990-10-03	2008	1007
3009	1713.23	1990-10-04	2002	1003
3008	4723.00	1990-10-04	2006	1001
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

8 rows in set (0.04 sec)

4) Write the above query using MIN or MAX.

```
D2_92814_Krushna>select * from orders where amt >=any( select min(amt) from orders,customers where orders.cnum = customers.cnum and customers.city = 'London');
```

Onum	Amt	Odate	Cnum	Snum
3003	767.19	1990-10-03	2001	1007
3003	1900.10	1990-10-03	2007	1004
3005	5160.45	1990-10-03	2008	1007
3006	1098.16	1990-10-03	2008	1007
3009	1713.23	1990-10-04	2002	1003
3008	4723.00	1990-10-04	2006	1001
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

8 rows in set (0.00 sec)

```
D2_92814_Krushna>select * from orders where amt >=any( select max(amt) from orders,customers where orders.cnum = customers.cnum and customers.city = 'London');
```

Onum	Amt	Odate	Cnum	Snum
3011	9891.88	1990-10-06	2006	1001

1 row in set (0.00 sec)