

## SQL 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'.

```
W2_84069_anup>select Cname, City, Rating, Snum from customers
-> where Rating=Any(select Rating from customers where Snum in
-> (Select Snum from salespeople where Sname ='Serres'));
```

Cname	City	Rating	Snum
Giovanni	Rome	200	1003
Liu	San Jose	200	1002
Grass	Berlin	300	1002
Cisneros	San Jose	300	1007

4 rows in set (0.04 sec)

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

```
W2_84069_anup>Select * from salespeople where (Snum, City) != all(select Snum, 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.

```
W2_84069_anup>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 (0.00 sec)

#### 4) Write the above query using MIN or MAX.

```
W2_84069_anup>select *from orders where Amt > Any (select max(Amt) from orders where Cnum in (Select Cnum from customers where City='London')Group by Onum);
```

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)
```