

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'.

Ans:-

```
D3_92975_siddarth>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	Barlin	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.

Ans:-

```
D3_92975_siddarth>select *from salespeople
-> where Snum != all (
-> select Snum from customers where customers.city = salespeople.city);
```

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.

Ans:-

```
D3_92975_siddarth>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 MIN or MAX.

Ans:-

```
D3_92975_siddarth>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)