

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'.

```
D3_92819_Shubham>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 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.

```
D3_92819_Shubham>SELECT Sname from salespeople where snum != all
-> (select c.snum from customers c join salespeople s on s.snum = c.snum
-> Where c.city = s.city);
```

Sname
Motika
Rifkin
Axelrod

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.

```
D3_92819_Shubham>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.

```

D3_92819_Shubham>Select * from orders
-> Where amt > any
-> (select min(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)

D3_92819_Shubham>Select * from orders
-> Where amt > any
-> (select max(amt) from orders where cnum in (select cnum from customers where city = 'London'));
Empty set (0.00 sec)

D3_92819_Shubham>

```