

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'.

Query : select cname from customers where rating >=any(select rating from customers where snum = (select snum from salespeople where sname = 'Serres'));

```
D3_92969_Dhananjay>select cname from customers where rating >=any(select rating from customers where snum = (select snum from salespeople where sname = 'Serres'));
+-----+
| cname |
+-----+
| Giovanni |
| Liu      |
| Grass    |
| Cisneros |
+-----+
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.

Query : select sname from salespeople where snum !=all(select s.snum from salespeople s join customers c on s.snum = c.snum where s.city = c.city);

```
D3_92969_Dhananjay>select sname from salespeople where snum !=all(select s.snum from salespeople s join customers c on s.snum = c.snum where s.city = c.city);
+-----+
| sname |
+-----+
| Motika |
| Rifkin |
| Axelrod |
| Serres  |
| Blanco  |
+-----+
5 rows in set (0.00 sec)
```

3) Write a query that selects all orders for amounts greater than any for the customers in London.

Query : select onum from orders where amt >any (select amt from orders where cnum in (select cnum from customers where city = 'London'));

```
D3_92969_Dhananjay>select onum from orders
-> where amt >any (
-> select amt from orders
-> where cnum in (
-> select cnum from customers where
-> city = 'London' ) );
+-----+
| onum |
+-----+
| 3002 |
| 3005 |
| 3006 |
| 3009 |
| 3008 |
| 3010 |
| 3011 |
+-----+
7 rows in set (0.04 sec)
```

4) Write the above query using MIN or MAX.

Query : select onum from orders where amt >any (select min(amt) from orders where cnum in (select cnum from customers where city = 'London'));

```
D3_92969_Dhananjay>select onum from orders where amt >any ( select min(amt) from orders where cnum in ( select cnum f
rom customers where city = 'London' ) );
+-----+
| onum |
+-----+
| 3002 |
| 3005 |
| 3006 |
| 3009 |
| 3008 |
| 3010 |
| 3011 |
+-----+
7 rows in set (0.01 sec)
```