

## 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'.

```
D1_86939_Prajwal>select cname , rating from customers where rating >any(select rating from customers where snum = (select snum from salespeople where sname = 'Serres'));
```

cname	rating
Grass	300
Cisneros	300

2 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.

```
D1_86939_Prajwal>select sname , city, sysdate() from salespeople where city not in (select city from customers);
```

sname	city	sysdate()
Rifkin	Barcelona	2024-09-14 17:00:22
Axelrod	New York	2024-09-14 17:00:22

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.

```
D1_86939_Prajwal>select * from orders where amt > any(select amt from orders , customers where customers.cnum = orders.cnum and 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.

```
D1_86939_Prajwal>select * from orders where amt > any(select min(amt) from orders , customers where customers.cnum = orders.cnum and 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)
```