

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'.

```
W3_93236_Neha>select Cnum,Rating from CUSTOMERS where Rating>=Any
-> (select Rating from CUSTOMERS where Snum=(select Snum from SALESPEOPLE
-> where Sname='Serres'));
```

Cnum	Rating
2002	200
2003	200
2004	300
2008	300

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

```
W3_93236_Neha>select Sname,City
-> from SALESPEOPLE
-> where City != All(select City from CUSTOMERS where CUSTOMERS.Snum=SALESPEOPLE.Snum);
```

Sname	City
Serres	San Jose
Motika	London
Riftin	Barcelona
Axelrod	New work

4 rows in set (0.00 sec)

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

```
W3_93236_Neha>select * from ORDERS
-> where Amt>Any (select Amt
-> from ORDERS
-> join CUSTOMERS on ORDERS.Cnum=CUSTOMERS.Cnum
-> where CUSTOMERS.City='London');
```

Onum	Amt	Odate	Cnum	Snum
3002	1900.10	1990-03-10	2007	1004
3005	5160.45	1990-03-10	2003	1002
3006	1098.16	1990-03-10	2008	1007
3009	1713.13	1990-04-10	2002	1003
3008	4723.00	1990-05-10	1006	1001
3010	1309.95	1990-06-10	2004	1002
3011	9891.88	1990-06-10	2006	1001

4) Write the above query using MIN or MAX.

```

W3_93236_Neha>select * from ORDERS where Amt between 767.6 and (SELECT max(Amt) from
-> ORDERS join CUSTOMERS on ORDERS.Cnum=CUSTOMERS.Cnum where CUSTOMERS.City='London');
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3002 | 1900.10 | 1990-03-10 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-03-10 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-03-10 | 2008 | 1007 |
| 3009 | 1713.13 | 1990-04-10 | 2002 | 1003 |
| 3008 | 4723.00 | 1990-05-10 | 1006 | 1001 |
| 3010 | 1309.95 | 1990-06-10 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-06-10 | 2006 | 1001 |
+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

W3_93236_Neha>Select *from ORDERS where Amt >
-> (SELECT min(Amt) from ORDERS join CUSTOMERS on ORDERS.Cnum=CUSTOMERS.Cnum where CUSTOMERS.City='London');
+-----+-----+-----+-----+-----+
| Onum | Amt   | Odate | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3002 | 1900.10 | 1990-03-10 | 2007 | 1004 |
| 3005 | 5160.45 | 1990-03-10 | 2003 | 1002 |
| 3006 | 1098.16 | 1990-03-10 | 2008 | 1007 |
| 3009 | 1713.13 | 1990-04-10 | 2002 | 1003 |
| 3008 | 4723.00 | 1990-05-10 | 1006 | 1001 |
| 3010 | 1309.95 | 1990-06-10 | 2004 | 1002 |
| 3011 | 9891.88 | 1990-06-10 | 2006 | 1001 |
+-----+-----+-----+-----+-----+

```