

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_Prajakta_83867>select * from CUSTOMER where Rating>= any(select Rating from SALESPEOPLE,CUSTOMER WHERE
SALESPEOPLE.Snum=CUSTOMER.Snum AND Sname='Serres');
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City    | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome    | 200    | 1003 |
| 2004 | Grass   | Berlin  | 300    | 1002 |
| 2008 | Cisneros | San Jose | 300    | 1007 |
| 2003 | Liu     | San Jose | 200    | 1002 |
+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

D1_Prajakta_83867>
```

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

```
D1_Prajakta_83867>select *from SALESPEOPLE where (Snum,City) not in( SELECT Snum,City
FROM CUSTOMER);
+-----+-----+-----+-----+
| Snum | Sname  | City    | Comm |
+-----+-----+-----+-----+
| 1004 | Motika | London  | 0.11 |
| 1007 | Rifkin | Barcelona | 0.15 |
| 1003 | Axelrod | New York | 0.10 |
+-----+-----+-----+-----+
3 rows in set (0.05 sec)

D1_Prajakta_83867>
```

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

```
D1_Prajakta_83867>select * from ORDERS where Amt>ANY (select Amt from ORDERS,CUSTOMER WHERE ORDERS.Cnum=CU
STOMER.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 (0.04 sec)

D1_Prajakta_83867>
```

4) Write the above query using MIN or MAX.

```
D1_Prajakta_83867>select * from ORDERS where Amt> (select MIN(Amt) from ORDERS,CUSTOMER WHERE ORDERS.Cnum=
CUSTOMER.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)
```

```
D1_Prajakta_83867>
```