

## 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'.

```
W3_84107_Aboli>select * from CUSTOMERS where Rating >= ANY(select Rating from SALEPEOPLE,CUSTOMERS where Sname='Serres');
+-----+-----+-----+-----+-----+
| Cnum | Cname  | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | roma   | 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)

W3_84107_Aboli>
```

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

```
W3_84107_Aboli>select * from SALEPEOPLE where City not in(select City from CUSTOMERS);
+-----+-----+-----+-----+
| Snum | Sname  | City   | Comm |
+-----+-----+-----+-----+
| 1007 | Rifkin  | Barcelona | 0.15 |
| 1003 | Axelrod | New York  | 0.10 |
+-----+-----+-----+-----+
2 rows in set (0.04 sec)
```

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

```
W3_84107_Aboli>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.

```
W3_84107_Aboli>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 (0.04 sec)