

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'.

```
mysql> use classwork;
Database changed
mysql> select* from customers
  -> where rating >= ANY(Select rating from customers
  -> where city = 'serres');
Empty 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.

```
mysql> select * from salespeople s
  -> where s.city <> ALL(
  -> SELECT c.city
  -> FROM customers c
  -> WHERE c.snum = s.snum
  -> );
```

Snum	Sname	City	Comm
1003	Axelrod	New York	0.10
1004	Motika	London	0.11
1007	Rifkin	Barcelona	0.15

```
3 rows in set (0.01 sec)
```

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

```
mysql> SELECT *
-> FROM orders
-> WHERE amt > ANY (
-> SELECT o.amt
-> FROM orders o
-> JOIN customers c ON o.cnum = c.cnum
-> WHERE c.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
3008	4723.00	1990-10-05	2006	1001
3009	1713.23	1990-10-04	2002	1003
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.

```
mysql> SELECT *
-> FROM orders
-> WHERE amt > (
-> SELECT MIN(o.amt)
-> FROM orders o
-> JOIN customers c ON o.cnum = c.cnum
-> WHERE c.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
3008	4723.00	1990-10-05	2006	1001
3009	1713.23	1990-10-04	2002	1003
3010	1309.95	1990-10-06	2004	1002
3011	9891.88	1990-10-06	2006	1001

7 rows in set (0.00 sec)