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'.

```
WHERE Rating >= (SELECT Rating FROM SALESPEOPLE WHERE Sname = 'Serres');
  ->
Cnum
       Cname
                   City
                               Rating
                                        Snum
2001
       Hoffman
                                        1001
                   London
                                  100
2002
       Giovanni
                   Rome
                                  200
                                        1003
2003
       Liu
                   San Jose
                                  200
                                        1002
                   Berlin
2004
       Grass
                                  300
                                        1002
2006
       Clemens
                                  100
                                        1001
                   London
2008
       Cisneros
                   San Jose
                                  300
                                        1007
2007
       Pereira
                   Rome
                                  100
                                        1004
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.

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

```
mysql> select customers.cnum, orders.amt from orders,customers
    -> where customers.cnum = orders.cnum
    -> and orders.amt > any(select amt from orders, customers
    -> where orders.cnum = customers.cnum and customers.city = 'london');
  cnum | amt
         1713.23
  2002
         5160.45
1309.95
  2003
  2004
         9891.88
  2006
         4723.00
  2006
  2008
         1098.16
  2007
         1900.10
  rows in set (0.05 sec)
```

4) Write the above query using MIN or MAX.

```
mysql> select customers.cnum, orders.amt +rom orders,customers
-> where customers.cnum = orders.cnum
    -> and orders.amt > (select min(orders.amt) from orders, customers
    -> where orders.cnum = customers.cnum and customers.city = 'london');
  cnum | amt
  2002
          1713.23
  2003
          5160.45
  2004
          1309.95
  2006
          9891.88
          4723.00
  2006
  2008
          1098.16
         1900.10
  2007
  rows in set (0.01 sec)
```