Assignment 12

KD1-Indrajeet-86641

Q1. Write a query that selects all customers whose ratings are equal to or greater than ANY of Serres'.

➔ select * from customers

where rating >= any(select min rating from customers, salespeople

where customers.snum = salespeople.snum and sname = 'Serres');

```
KD1-Indrajeet-86641@>select * from customers where rating >= any(select rating from customers, salespeople
    -> where customers.snum = salespeople.snum and sname = 'Serres');
+------+----------+----------+--------+------+
| cnum | cname    | city     | rating | snum |
+------+----------+----------+--------+------+
| 2002 | Giovanni | Rome     |    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)
```

Q2. Write a query using ANY or ALL that will find all salespeople who have no customers located in their city.

➔ select sname from salespeople, customers where salespeople.city

NOT IN (select city from customers) and

salespeople.snum = customers.snum;

```
KD1-Indrajeet-86641@>select sname from salespeople, customers where salespeople.city
    -> NOT IN ( select city from customers) and salespeople.snum = customers.snum;
+---------+
| sname   |
+---------+
| Axelrod |
| Rifkin  |
+---------+
2 rows in set (0.01 sec)
```

Q3. Write a query that selects all orders for amounts greater than any for the customers in London.

➔ **select * from orders where amt> ANY (SELECT amt FROM orders**

WHERE cnum IN (SELECT cnum FROM customers WHERE city='London'));

```
KD1-Indrajeet-86641@>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 | 1990-10-04 | 2006 | 1001 |
| 3011 | 9891.88 | 1990-10-04 | 2006 | 1001 |
+------+---------+------------+------+------+
6 rows in set (0.00 sec)
```

Q4. Write the above query using MIN or MAX.

➔ **select * from orders where amt> (SELECT min(amt) FROM orders**

WHERE cnum IN(SELECT cnum FROM customers WHERE city='London'));

```
KD1-Indrajeet-86641@>select * from orders where amt> ( 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 | 1990-10-04 | 2006 | 1001 |
| 3011 | 9891.88 | 1990-10-04 | 2006 | 1001 |
+------+---------+------------+------+------+
6 rows in set (0.00 sec)
```