Assignment 12

KD1_86940_parag

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

```
mysql> select * from customers
    -> where rating >= any((select rating from customers
    -> where snum = ( select snum from salespeople
    -> where 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 |
+------+----------+----------+--------+------+
```

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

```
mysql> select * from salespeople
    -> where city!=all((select city from customers));
+------+---------+-----------+------+
| snum | sname   | city      | comm |
+------+---------+-----------+------+
| 1007 | Rifkin  | Barcelona | 0.15 |
| 1003 | Axelrod | New York  | 0.10 |
+------+---------+-----------+------+
```

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

```
/kd1_86940_parag>select * from orders where
    -> amt > any((select amt from orders where
    -> cnum = any((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 |
+------+---------+------------+------+------+
```

Q4).Write the above query using MIN or MAX..

```
/kd1_86940_parag>select * from orders where amt > any((select min(amt) from orders where cnum = any((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 |
+------+---------+------------+------+------+

/kd1_86940_parag>select * from orders where amt > any((select max(amt) from orders where cnum = any((select cnum from customers where city='London'))));
Empty set (0.00 sec)
```