SQL ASSIGNMENT – 12

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

Ans :-

```
D5_tejas_84011>SELECT * FROM CUSTOMERS WHERE Rating >=ANY ( SELECT Rating FROM CUSTOMERS WHERE Snum IN
    -> ( 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 |
+------+----------+-----------+--------+------+
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.

Ans :-

```
D5_tejas_84011>SELECT Snum FROM SALESPEOPLE WHERE (Snum, City) NOT IN (SELECT Snum, City FROM CUSTOMERS);
+------+
| Snum |
+------+
| 1004 |
| 1007 |
| 1003 |
+------+
3 rows in set (0.00 sec)
```

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

Ans :-

```
D5_tejas_84011>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 (0.01 sec)
```

Q4. Write the above query using MIN or MAX.

Ans :-

```
D5_tejas_84011>SELECT * FROM ORDERS WHERE Amt> (SELECT min(Amt) FROM CUSTOMERS NATURAL JOIN ORDERS 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)
```