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Assignment No 07

1) Write a query that counts all orders for October 3.

```
D5_86982_JUILI@>select count(odate) from orders
    -> where odate='1990-10-03';
+--------------+
| count(odate) |
+--------------+
|            5 |
+--------------+
1 row in set (0.01 sec)
```

2) Write a query that counts the number of different non-NULL city values in the Customers table.

```
D5_86982_JUILI@>select count(city) from customers
    -> where city is not null;
+-------------+
| count(city) |
+-------------+
|           7 |
+-------------+
1 row in set (0.00 sec)
```

3) Write a query that selects each customer's smallest order.

```
D5_86982_JUILI@>select min(amt) ,cname from orders , customers
    -> where orders.cnum=customers.cnum
    -> group by cname;
+----------+----------+
| min(amt) | cname    |
+----------+----------+
|    18.69 | Cisneros |
|   767.19 | Hoffman  |
|  1900.10 | Pereira  |
|  5160.45 | Liu      |
|  1713.23 | Giovanni |
|    75.75 | Grass    |
|  4723.00 | Clemens  |
+----------+----------+
7 rows in set (0.01 sec)
```

4) Write a query that selects the first customer, in alphabetical order, whose name begins with G.

```
D5_86982_JUILI@>select *from customers
    -> where cname like 'G%'
    -> order by cname;
+-------+-----------+----------+----------+--------+
| Cnum  | Cname     | City     | Rating   | Snum   |
+-------+-----------+----------+----------+--------+
| 2002  | Giovanni  | Rome     |     200  | 1003   |
| 2004  | Grass     | Berlin   |     300  | 1002   |
+-------+-----------+----------+----------+--------+
2 rows in set (0.00 sec)
```

```
D5_86982_JUILI@>select*from customers
    -> where cname like 'G%'
    -> order by cname
    -> limit 1;
+-------+-----------+--------+----------+--------+
| Cnum  | Cname     | City   | Rating   | Snum   |
+-------+-----------+--------+----------+--------+
| 2002  | Giovanni  | Rome   |     200  | 1003   |
+-------+-----------+--------+----------+--------+
1 row in set (0.00 sec)
```

5) Write a query that selects the highest rating in each city.

```
D5_86982_JUILI@>select city,max(rating)from customers
    -> group by city
    -> ;
+-----------+--------------+
| city      | max(rating)  |
+-----------+--------------+
| London    |         100  |
| Rome      |         200  |
| San Jose  |         300  |
| Berlin    |         300  |
+-----------+--------------+
4 rows in set (0.00 sec)
```

6) Write a query that counts the number of salespeople registering orders for each day. (If a salesperson has more than one order on a given day, he or she should be counted only once.).

```
D5_86982_JUILI@>select count(distinct snum) ,odate from orders
    -> group by odate;
+-----------------------+------------+
| count(distinct snum)  | odate      |
+-----------------------+------------+
|                     4 | 1990-10-03 |
|                     2 | 1990-10-04 |
|                     1 | 1990-10-05 |
|                     2 | 1990-10-06 |
+-----------------------+------------+
4 rows in set (0.01 sec)
```