Assignment –7

Summarizing Data with Aggregate Functions.

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

```
KD3_87283_omkar@>select count(*) from orders where odate='1990-10-03';
+----------+
| count(*) |
+----------+
|        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.

```
KD3_87283_omkar@>select count(distinct(city)) from customers;
+------------------------+
| count(distinct(city)) |
+------------------------+
|                      4 |
+------------------------+
1 row in set (0.01 sec)

KD3_87283_omkar@>
```

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

```
KD3_87283_omkar@>select snum, min(amt) from orders group by snum;
+------+----------+
| snum | min(amt) |
+------+----------+
| 1007 |    18.69 |
| 1001 |   769.19 |
| 1004 |  1900.10 |
| 1002 |    75.75 |
| 1003 |  1713.23 |
+------+----------+
5 rows in set (0.01 sec)
```

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

```
KD3_87283_omkar@>select min(cname) from customers where cname like 'G%';
+------------+
| min(cname) |
+------------+
| Glovanni   |
+------------+
1 row in set (0.01 sec)
```

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

```
KD3_87283_omkar@>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.).

```
KD3_87283_omkar@>select odate, count(snum) from orders group by odate;
+------------+-------------+
| odate      | count(snum) |
+------------+-------------+
| 1990-10-03 |           5 |
| 1990-10-04 |           2 |
| 1990-10-05 |           1 |
| 1990-10-06 |           2 |
+------------+-------------+
4 rows in set (0.00 sec)
```