Assignment –7

Summarizing Data with Aggregate Functions.

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

```
10 rows in set, 1 warning (0.00 sec)

KD2-86675-Yashwant@>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.

```
KD2-86675-Yashwant@>select count(City) from customers where City !='null';
+-------------+
| count(City) |
+-------------+
|           7 |
+-------------+
1 row in set (0.00 sec)
```

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

```
KD2-86675-Yashwant@>select Cnum, min(Amt) from orders group by Cnum,amt order by amt;
+------+----------+
| Cnum | min(Amt) |
+------+----------+
| 2008 |    18.69 |
| 2004 |    75.75 |
| 2001 |   767.19 |
| 2008 |  1098.16 |
| 2004 |  1309.95 |
| 2002 |  1713.00 |
| 2007 |  1900.10 |
| 2006 |  4723.00 |
| 2003 |  5160.45 |
| 2006 |  9891.88 |
+------+----------+
10 rows in set (0.00 sec)

KD2-86675-Yashwant@>
```

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

```
KD2-86675-Yashwant@>select * from customers where Cname like 'G%' order by Cname;
+------+----------+--------+--------+------+
| Cnun | Cname    | City   | Rating | Sum  |
+------+----------+--------+--------+------+
| 2002 | Giovanni | Rome   |    200 | 1003 |
| 2004 | Grass    | Berlin |    300 | 1002 |
+------+----------+--------+--------+------+
2 rows in set (0.00 sec)
```

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

```
KD2-86675-Yashwant@>select  distinct 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.

```
KD2-86675-Yashwant@>select  distinct Odate,count(salespeople.Snum) from orders ,salespeople where orders.Snum=salespeople.Snum group by Odate;
+------------+-----------------------+
| Odate      | count(salespeople.Snum) |
+------------+-----------------------+
| 1990-10-03 |                     5 |
| 1990-10-04 |                     2 |
| 1990-10-05 |                     1 |
| 1990-10-06 |                     2 |
+------------+-----------------------+
4 rows in set (0.00 sec)
```