Assignment –7
Summarizing Data with Aggregate Functions.

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

```
   W2_93165_Shivakanya> use dmc_db;
   Database changed
   W2_93165_Shivakanya> select Odate
    -> from Orders
    -> Where Odate ='1990-10-03';
+------------+
| Odate      |
+------------+
| 1990-10-03 |
| 1990-10-03 |
| 1990-10-03 |
| 1990-10-03 |
| 1990-10-03 |
+------------+
5 rows in set (0.41 sec)
```

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

```
W2_93165_Shivakanya> select count(City)
    -> from Customers
    -> where City is not null;
+-------------+
| count(City) |
+-------------+
|           7 |
+-------------+
1 row in set (0.04 sec)
```

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

```
   W2_93165_Shivakanya> select min(Amt)
    -> from Orders
    -> group by Onum;
+----------+
| min(Amt) |
+----------+
|    18.69 |
|   767.19 |
|   1900.1 |
|  5160.45 |
|  1098.16 |
|  1713.23 |
|    75.75 |
|     4723 |
|  1309.95 |
|  9891.88 |
+----------+
10 rows in set (0.01 sec)
```

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

```
    W2_93165_Shivakanya> select *
    -> from Customers
    ->  Where Cname like 'G%'
    -> order by 1;
+------+----------+--------+--------+------+
| Cnum | Cname    | City   | Rating | Snum |
```

```
+------+----------+--------+--------+------+
| 2002 | Giovanni | Rome   |    200 | 1003 |
| 2004 | Grass    | Berlin |    300 | 1002 |
+------+----------+--------+--------+------+
2 rows in set (0.05 sec)
```

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

```
   W2_93165_Shivakanya> select max(Rating)
    -> from Customers
    -> group by City;
+-------------+
| max(Rating) |
+-------------+
|         100 |
|         200 |
|         300 |
|         300 |
+-------------+
4 rows in set (0.06 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.).

```
  W2_93165_Shivakanya> 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 (0.07 sec)
```