Assignment No : 7

Summarizing Data with Aggregate Functions.

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

```
W2_87323_Dhanashri>select count(Onum) Number_Of_orders from Orders where Odate = '1990-10-03';
+------------------+
| Number_Of_orders |
+------------------+
|                0 |
+------------------+
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.

```
W2_87323_Dhanashri>select count( DISTINCT City) Num_Of_NonNullCities from Customers;
+----------------------+
| Num_Of_NonNullCities |
+----------------------+
|                    4 |
+----------------------+
1 row in set (0.00 sec)
```

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

```
W2_87323_Dhanashri>select cnum,min(Amt) from orders group by Cnum;
+------+----------+
| cnum | min(Amt) |
+------+----------+
| 2008 |    18.69 |
| 2001 |   767.19 |
| 2007 |  1900.10 |
| 2003 |  5160.45 |
| 2002 |  1713.23 |
| 2004 |    75.75 |
| 2006 |  4723.00 |
+------+----------+
7 rows in set (0.01 sec)
```

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

```
W2_87323_Dhanashri>select cname from customers where cname like 'G%' order by cname;
+----------+
| cname    |
+----------+
| Giovanni |
| Grass    |
+----------+
2 rows in set (0.02 sec)
```

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

```
W2_87323_Dhanashri>select MAX(Rating) , city from customers group by city ;
+-------------+----------+
| MAX(Rating) | city     |
+-------------+----------+
|         100 | London   |
|         200 | Rome     |
|         300 | San Jose |
|         300 | Berlin   |
+-------------+----------+
4 rows in set (0.01 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 givenday, he or she should be counted only once.).

```
W2_87323_Dhanashri>select count( Distinct Sname) from salespeople where Snum in (select snum from orders Group by Odate);
+------------------------+
| count( Distinct Sname) |
+------------------------+
|                      5 |
+------------------------+
1 row in set (0.01 sec)
```