Assignment –7

Summarizing Data with Aggregate Functions.

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

Ans: select Odate,count(Odate) as 'count of orders' from orders where Odate='03-10-1990';

Odate	count of orders
03-10-1990	5

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

Ans: select count(distinct city) as 'unique cities' from customers where city is not null;

unique cities
4

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

Ans: select Onum,min(amt) as 'smallest order' from orders group by Onum;

Onum	smallest order
3001	18.69
3003	767.19
3002	1900.10
3005	5160.45
3006	1098.16
3009	1713.23
3007	75.75
3008	4723.00
3010	1309.95
3011	9891.88

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

Ans: select Cname from customers where Cname like 'G%' order by Cname;

Cname
Giovanni
Grass

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

Ans: select City ,max(Rating) from customers group by City;

City	max(Rating)
London	100
Rome	200
San Jose	300
Berlin	300

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.).

Ans: select Odate,count(distinct Snum) as 'Unique Snum' from Orders group by Odate;

Odate	Unique Snum
03-10-1990	4
04-10-1990	2
05-10-1990	1
06-10-1990	2