Assignment –7

Summarizing Data with Aggregate Functions.

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

```
SELECT COUNT(*) AS Total_Orders
FROM ORDERS
WHERE Odate = '1990-10-03';
```

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

```
SELECT COUNT(DISTINCT City) AS Unique_Cities
FROM CUSTOMERS
WHERE City IS NOT NULL;
```

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

```
SELECT Cnum, MIN(Amt) AS Smallest_Order
FROM ORDERS
GROUP BY Cnum;
```

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

```
SELECT *
FROM CUSTOMERS
WHERE Cname LIKE 'G%'
ORDER BY Cname ASC
LIMIT 1;
```

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

```
SELECT City, MAX(Rating) AS Max_Rating
FROM CUSTOMERS
GROUP BY City;
```

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.).

```
SELECT Odate, COUNT(DISTINCT Snum) AS Salespeople_Count
FROM ORDERS
GROUP BY Odate;
```