Assignment –7

Summarizing Data with Aggregate Functions.

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

```
SELECT COUNT(*) AS order_count 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) FROM Customers WHERE city IS NOT
NULL;
```

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

```
SELECT c.cnum, c.sname, MIN(o.amt) AS smallest_order FROM Customers c
JOIN Orders o ON c.cnum = o.cnum GROUP BY c.cnum, c.sname;
```

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

```
SELECT * FROM Customers WHERE sname LIKE 'G%'
ORDER BY sname LIMIT 1;
```

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

```
SELECT city, 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 salesperson_count FROM
Orders GROUP BY odate ORDER BY odate;
```