SQL Assignment – 7

Summarizing Data with Aggregate Functions.

1) Write a Query that Counts all orders for October 3.

```
W3_84107_Aboli>select Count(*) from ORDERS where Odate = '1990-10-03';
+----------+
| Count(*) |
+----------+
|        5 |
+----------+
1 row in set (0.04 sec)
```

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

```
W3_84107_Aboli>select Count(*) from CUSTOMERS where City != 'null';
+----------+
| Count(*) |
+----------+
|        7 |
+----------+
1 row in set (0.01 sec)
```

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

```
W3_84107_Aboli>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 (0.00 sec)

W3_84107_Aboli>
```

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

```
W3_84107_Aboli>select min(Cname) from CUSTOMERS where Cname like 'G%' limit 1;
+------------+
| min(Cname) |
+------------+
| Giovanni   |
+------------+
1 row in set (0.00 sec)

W3_84107_Aboli>
```

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

```
W3_84107_Aboli>select max(Rating) from CUSTOMERS ;
+-------------+
| max(Rating) |
+-------------+
|         300 |
+-------------+
1 row in set (0.00 sec)

W3_84107_Aboli>
```

6) Write a query that counts the number of salespeople registering orders for each day. (Ifa salesperson has more than one order on a givenday, he or she should be counted only once.).

```
W3_84107_Aboli>select Odate,Count(distinct Snum) from ORDERS group by Odate;
+------------+----------------------+
| Odate      | Count(distinct Snum) |
+------------+----------------------+
| 1990-10-03 |                    4 |
| 1990-10-04 |                    2 |
| 1990-10-05 |                    1 |
| 1990-10-06 |                    2 |
+------------+----------------------+
4 rows in set (0.00 sec)

W3_84107_Aboli>
```