

Assignment –7

***** Summarizing Data with Aggregate Functions*****

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

```
W3_93236_Neha>select count(*) from ORDERS where Odate='1990-03-10';
+-----+
| count(*) |
+-----+
|         5 |
+-----+
1 row in set (0.00 sec)
```

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

```
W3_93236_Neha>select count(*) from CUSTOMERS where City is not null;
+-----+
| count(*) |
+-----+
|         7 |
+-----+
1 row in set (0.00 sec)
```

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

```
W3_93236_Neha>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 |  1713.13 |
| 2004 |    75.75 |
| 1006 |  4723.00 |
| 2006 |  9891.88 |
+-----+-----+
```

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

NEHA KHOMANE (93236)

```
W3_93236_Neha>select min(Cname) from CUSTOMERS where Cname like 'G%' order by Cname;
+-----+
| min(Cname) |
+-----+
| Giovanni   |
+-----+
```

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

```
W3_93236_Neha>select max(Rating),City from CUSTOMERS Group by City;
+-----+-----+
| max(Rating) | City   |
+-----+-----+
|          100 | London |
|          200 | Rome   |
|          300 | SanJose |
|          300 | Berlin |
+-----+-----+
```

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.).

```
W3_93236_Neha>select count(Snum),Odate from ORDERS group by Odate;
+-----+-----+
| count(Snum) | Odate   |
+-----+-----+
|          5 | 1990-03-10 |
|          1 | 1990-04-10 |
|          1 | 1990-10-04 |
|          1 | 1990-05-10 |
|          2 | 1990-06-10 |
+-----+-----+
```