

SQL Assignment – 7

Summarizing Data with Aggregate Functions.

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

```
D1_Prajakta_83867>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.

```
WHERE CITY IS NOT NULL at line 1  
D1_Prajakta_83867>SELECT COUNT( DISTINCT City) from CUSTOMER WHERE CITY IS NOT NULL;  
+-----+  
| COUNT( DISTINCT City) |  
+-----+  
|                        4 |  
+-----+  
1 row in set (0.14 sec)
```

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

```
D1_Prajakta_83867>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 (0.03 sec)
```

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

```
sunbeam@sunbeam-HP-Notebook: ~  
D1_Prajakta_83867>Select *from CUSTOMER WHERE Cname like 'G%' Order by  
Cname asc Limit 1;  
+-----+-----+-----+-----+-----+  
| Cnum | Cname      | City | Rating | Snum |  
+-----+-----+-----+-----+-----+  
| 2002 | Giovanni   | Rome | 200    | 1003 |  
+-----+-----+-----+-----+-----+  
1 row in set (0.00 sec)
```

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

```
D1_Prajakta_83867>Select City,Max(Rating) from CUSTOMER group by City;  
+-----+-----+  
| City      | Max(Rating) |  
+-----+-----+  
| London    | 100          |  
| Rome      | 200          |  
| Berlin    | 300          |  
| San Jose  | 300          |  
+-----+-----+  
4 rows in set (0.00 sec)
```

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 givenday, he or she should be counted only once.).

```
D1_Prajakta_83867>select count(distinct Snum),Odate from ORDERS group by Odate;  
+-----+-----+  
| count(distinct Snum) | Odate        |  
+-----+-----+  
| 4                    | 1990-10-03   |  
| 2                    | 1990-10-04   |  
| 1                    | 1990-10-05   |  
| 2                    | 1990-10-06   |  
+-----+-----+  
4 rows in set (0.05 sec)  
  
D1_Prajakta_83867>
```

