

SQL Assignment – 7

Summarizing Data with Aggregate Functions.

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

Ans:

```
W1_83926_Vaibhavi>select count(*)  from Orders where Odate='1990-10-03';
+-----+
| count(*) |
+-----+
|         5 |
+-----+
1 row in set (0.31 sec)
```

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

Ans:

```
W1_83926_Vaibhavi>select City,count(City) from Customers where City is not null
group by City;
+-----+-----+
| City      | count(City) |
+-----+-----+
| London    |            2 |
| Rome      |            2 |
| San Jose  |            2 |
| Berlin    |            1 |
+-----+-----+
4 rows in set (0.02 sec)
```

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

Ans:

```
W1_83926_Vaibhavi>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 (0.01 sec)
```

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

Ans:

```
W1_83926_Vaibhavi>select * from Customers
-> where Cname like 'G%'
-> order by Cname;
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City   | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome   | 200    | 1003 |
| 2004 | Grass    | Berlin | 300    | 1002 |
+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

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

Ans:

```
W1_83926_Vaibhavi>select City,Max(Rating) from Customers
-> group by City;
+-----+-----+
| City   | Max(Rating) |
+-----+-----+
| London | 100          |
| Rome   | 200          |
| San Jose | 300         |
| Berlin | 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.).

Ans:

```
W1_83926_Vaibhavi>select Odate,count(Distinct Snum) From Orders group by Odate o
rder 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 (0.01 sec)
```

