

## Assignment-7

### Summarizing Data with Aggregate Functions.

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

```
W2_84069_anup>select count(*)'COUNT' from orders where Odate = '1990-10-03'
-> ;
+-----+
| COUNT |
+-----+
|      5 |
+-----+
1 row in set (0.02 sec)
```

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

```
W2_84069_anup>select count(*)'Count' from customers
-> where City IN(Select Distinct City from customers where City Is NOT NULL)
;
+-----+
| Count |
+-----+
|      7 |
+-----+
1 row in set (0.02 sec)
```

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

```
W2_84069_anup>select Cnum, min(Amt) from orders where
-> Cnum IN (Select Cnum from customers) Group By Cnum;
+-----+-----+
| Cnum | min(Amt) |
+-----+-----+
| 2008 |    18.69 |
| 2001 |   767.19 |
| 2007 |  1900.10 |
| 2003 |  5160.00 |
| 2002 |  1713.23 |
| 2004 |    75.75 |
| 2006 |  4723.00 |
+-----+-----+
7 rows in set (0.00 sec)
```

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

```
W2_84069_anup>select min(Cname) from customers where Cname like 'G%';
+-----+
| min(Cname) |
+-----+
| Giovanni   |
+-----+
1 row in set (0.00 sec)

W2_84069_anup>
```

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

```
W2_84069_anup>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)

W2_84069_anup>
```

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.).

```
W2_84069_anup>select Odate,count(DISTINCT Snum)'COUNT'from orders Group by Odate
;
+-----+-----+
| Odate      | COUNT      |
+-----+-----+
| 1990-10-03 | 4          |
| 1990-10-04 | 2          |
| 1990-10-05 | 1          |
| 1990-10-06 | 2          |
+-----+-----+
4 rows in set (0.00 sec)
```

