

### Assignment -7

#### Summarizing Data with Aggregate Functions.

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

```
KD3_86720_Raju@>select count(*) from orders where odate = '1990-10-03';
+-----+
| count(*) |
+-----+
|          5 |
+-----+
1 row in set (0.01 sec)
```

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

```
KD3_86720_Raju@>select count(*) from customers where city != 'null';
+-----+
| count(*) |
+-----+
|          7 |
+-----+
1 row in set (0.00 sec)
```

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

```
KD3_86720_Raju@>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)
```

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

```
KD3_86720_Raju@>select min(cname) from customers where cname like 'G%';
+-----+
| min(cname) |
+-----+
| Giovanni   |
+-----+
1 row in set (0.00 sec)
```

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

```
KD3_86720_Raju@>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 given day, he or she should be counted only once.).

```
KD3_86720_Raju@>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)
```