

Assignment -7

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

```
KD2-SATYAJEET-86740@>select count(odate) from orders
-> where odate='1990-10-03';
+-----+
| count(odate) |
+-----+
|           5 |
+-----+
1 row in set (0.01 sec)

KD2-SATYAJEET-86740@>
```

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

```
KD2-SATYAJEET-86740@>select count(distinct(city)) from customers where city is not null;
+-----+
| count(distinct(city)) |
+-----+
|           4 |
+-----+
1 row in set (0.01 sec)

KD2-SATYAJEET-86740@>
```

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

```
KD2-SATYAJEET-86740@>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)

KD2-SATYAJEET-86740@>
```

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

```
KD2-SATYAJEET-86740@>select * from customers where cname like 'G%' order by cname asc;
+-----+-----+-----+-----+-----+
| 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.

```
KD2-SATYAJEET-86740@>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)

KD2-SATYAJEET-86740@>
```

- 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.).

```
KD2-SATYAJEET-86740@>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)

KD2-SATYAJEET-86740@>
```