

Assignment -7

Summarizing Data with Aggregate Functions.

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

```
KD3_87023_Abhishek@>select count(odate) from orders where odate='1990-10-03';
+-----+
| count(odate) |
+-----+
| 5 |
+-----+
1 row in set (0.00 sec)

KD3_87023_Abhishek@>
```

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

```
KD3_87023_Abhishek@>select count(city) from customers where city is not null;
+-----+
| count(city) |
+-----+
| 7 |
+-----+
1 row in set (0.00 sec)
```

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

```
KD3_87023_Abhishek@>select cnum,min(amt) from orders group by cnum;
+-----+-----+
| cnum | min(amt) |
+-----+-----+
| 2001 | 767.19 |
| 2007 | 1900.10 |
| 2003 | 5160.45 |
| 2008 | 18.69 |
| 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.

```
KD3_87023_Abhishek@>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.

```
KD3_87023_Abhishek@>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.).

```
OD3_87023_Abhishek@>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 (0.01 sec)
```