

Assignment-7
Summarizing Data with Aggregate Functions.

- 1) Write a query that counts all orders for October 3.
- 2) Write a query that counts the number of different non-NULL city values in the Customers table.
- 3) Write a query that selects each customer's smallest order.
- 4) Write a query that selects the first customer, in alphabetical order, whose name begins with G.
- 5) Write a query that selects the highest rating in each city.
- 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.).

1)

```
kd4_92410_saishiva>select count(*) 'total_orders' from orders where Odate='1990-10-03';
+-----+
| total_orders |
+-----+
|           5 |
+-----+
1 row in set (0.00 sec)
```

2)

```
kd4_92410_saishiva>select count(Distinct(City)) 'Total count of Distinct cities ' from customers where City is not null;
+-----+
| Total count of Distinct cities |
+-----+
|                4 |
+-----+
1 row in set (0.00 sec)
```

3)

```
kd4_92410_saishiva>select Cnum,min(Amt) 'Customers smallest Order' from orders group by Cnum;
```

Cnum	Customers smallest Order
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)

```
kd4_92410_saishiva>select min(Cname) from customers where Cname like 'G%';
```

min(Cname)
Giovanni

```
1 row in set (0.01 sec)
```

5)

```
kd4_92410_saishiva>select City,max(rating) 'Highest rating in repective city' from customers group by City;
```

City	Highest rating in repective city
London	100
Rome	200
San Jose	300
Berlin	300

```
4 rows in set (0.00 sec)
```

6)

```
kd4_92410_saishiva>Select Odate,Count(Distinct(Snum)) 'Distinct salesmen with Orders on the given date' from orders group by Odate;
```

Odate	Distinct salesmen with Orders on the given date
1990-10-03	4
1990-10-04	2
1990-10-05	1
1990-10-06	2

```
4 rows in set (0.00 sec)
```