

## Assignment –7

### Summarizing Data with Aggregate Functions.

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

->select count(odate) from orders

-> where odate='1990-10-3';

```
D3_93068_Pankaj>select count(odate) from orders
-> where odate='1990-10-3';
+-----+
| count(odate) |
+-----+
|           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.

->select count(city) from customer

-> where city is not null;

```
D3_93068_Pankaj>select count(city) from customer
-> 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.

->select min(Amt),Cnum from orders

-> group by cnum;

```
D3_93068_Pankaj>select min(Amt),Cnum from orders
-> group by cnum;
```

min(Amt)	Cnum
18.69	2008
767.19	2001
1900.10	2007
1098.16	2003
1713.23	2002
75.75	2004
4723.00	2006

```
7 rows in set (0.04 sec)
```

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

```
->select * from customer
-> where cname like 'G%';
```

```
D3_93068_Pankaj>select * from customer
-> where cname like 'G%';
```

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.

```
->select max(rating),city from customer
-> group by city;
```

```
D3_93068_Pankaj>select max(rating),city from customer
-> group by city;
```

max(rating)	city
100	London
200	Rome
300	San Jose
300	Berlin

```
4 rows in set (0.03 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.).

```
>select distinct odate,snum from orders;
```

```
D3_93068_Pankaj>select distinct odate,snum from orders;
```

odate	snum
1990-10-03	1007
1990-10-03	1001
1990-10-03	1004
1990-10-03	1002
1990-10-04	1003
1990-10-04	1002
1990-10-05	1001
1990-10-06	1002
1990-10-06	1001

```
9 rows in set (0.03 sec)
```