

Assignment –7 Summarizing Data with Aggregate Functions.

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

Ans:-

```
D3_92975_siddarth> select count(Onum) from orders
-> where Odate = '1990-10-03';
```

count(Onum)
5

1 row in set (0.00 sec)

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

Ans:-

```
D3_92975_siddarth>select count(distinct city) from costomers;
```

count(distinct city)
4

1 row in set (0.01 sec)

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

Ans:-

```
D3_92975_siddarth>select min(Amt) "Min order" ,cnum from orders
-> group by cnum
-> order by cnum;
```

Min order	cnum
767.19	2001
1713.23	2002
5160.45	2003
75.75	2004
4723.00	2006
1900.10	2007
18.69	2008

7 rows in set (0.01 sec)

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

Ans:-

```
D3_92975_siddarth>select *from costumers
-> where Cname like 'G%'
-> order by cname;
```

Cnum	Cname	city	rating	Snum
2002	Giovanni	Rome	200	1003
2004	Grass	Barlin	300	1002

2 rows in set (0.00 sec)

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

Ans:-

```
D3_92975_siddarth>select max(rating),city from costumers
-> group by city;
```

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

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.).

Ans:-

```
D3_92975_siddarth>select odate, count(distinct Snum) "Order count"
-> from orders group by odate ;
```

odate	Order count
1990-10-03	4
1990-10-04	2
1990-10-05	1
1990-10-06	2

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