

# Assignment no 7

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

Ans: select count(\*) as orders\_on\_3\_oct from orders where odate='1990-10-03';

```
KD3_86752_prathamesh@>select count(*) as orders_on_3_oct from orders where o
date='1990-10-03';
+-----+
| orders_on_3_oct |
+-----+
|                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: select count(distinct city) from customers ;

```
KD3_86752_prathamesh@>select count(distinct city) from customers ;
+-----+
| count(distinct city) |
+-----+
|                    4 |
+-----+
1 row in set (0.00 sec)
```

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

Ans: select cnum , min(amt) from orders group by cnum;

```
KD3_86752_prathamesh@>select cnum , min(amt) from orders group by cnum;
+-----+-----+
| cnum | min(amt) |
+-----+-----+
| 2008 |    18.69 |
| 2001 |   767.19 |
| 2007 |  1900.10 |
| 2003 |  1098.16 |
| 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.

Ans: select min(cname) from customers where cname like 'g%' order by cname;

```
KD3_86752_prathamesh@>select min(cname) from customers where cname like 'g%'
order by cname;
+-----+
| min(cname) |
+-----+
| giovanni   |
+-----+
1 row in set (0.04 sec)
```

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

Ans: select city , max(rating) from customers group by city;

```
KD3_86752_prathamesh@>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.)

Ans: select odate ,count(snum) from orders group by odate ;

```
KD3_86752_prathamesh@>select odate ,count(snum) from orders group by odate ;
+-----+-----+
| odate      | count(snum) |
+-----+-----+
| 1990-10-03 | 5           |
| 1990-10-04 | 2           |
| 1990-10-05 | 1           |
| 1990-10-06 | 2           |
+-----+-----+
4 rows in set (0.00 sec)
```