

## Assignment –7

### Summarizing Data with Aggregate Functions.

Roll NO: 87243

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

```
C:\WINDOWS\system32\CMD.exe - mysql -u 'KD2-87243-kartik' -p
KD2-87243-kartik@>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.

```
KD2-87243-kartik@>select count(distinct(city)) from customers where city is not NULL;
+-----+
| count(distinct(city)) |
+-----+
|          4 |
+-----+
1 row in set (0.12 sec)
```

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

```
KD2-87243-kartik@>select least(Amt,18.69) "smallest order" from orders;
+-----+
| smallest order |
+-----+
|          18.69 |
|          18.69 |
|          18.69 |
|          18.69 |
|          18.69 |
|          18.69 |
|          18.69 |
|          18.69 |
|          18.69 |
|          18.69 |
+-----+
10 rows in set (0.00 sec)
```

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```
KD2-87243-kartik@>
```

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

```
KD2-87243-kartik@>select min(cname) from customers
-> where
-> cname like "G%"
-> order by 1;
+-----+
| min(cname) |
+-----+
| Giovanni |
+-----+
1 row in set (0.10 sec)
```

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```
KD2-87243-kartik@>
```

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

```
KD2-87243-kartik@>select city,max(rating) "Highest Ratings" from customers
-> group by city;
```

```
+-----+-----+
| city   | Highest Ratings |
+-----+-----+
| London |          100    |
| Rome   |          200    |
| San Jose |        300    |
| Berlin |          300    |
+-----+-----+
```

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

```
KD2-87243-kartik@>
```

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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.).

```
KD2-87243-kartik@>select count(distinct(snum)) from orders group by odate;
```

```
+-----+-----+
| count(distinct(snum)) |
+-----+-----+
| 4 |
| 2 |
| 1 |
| 2 |
+-----+-----+
```

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

```
KD2-87243-kartik@>
```

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