

Assignment –7

Summarizing Data with Aggregate Functions

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

Query -> select count(*) from Orders where Odate = '1990-10-03' ;

```
D2_92814_Krushna>select count(*) from Orders where Odate = '1990-10-03';
+-----+
| count(*) |
+-----+
|          5 |
+-----+
1 row in set (0.00 sec)

D2_92814_Krushna>
```

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

Query -> select count(city) from Customers ;

```
D2_92814_Krushna>select count(city) from Customers ;
+-----+
| count(city) |
+-----+
|             6 |
+-----+
1 row in set (0.00 sec)
```

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

Query -> Select Snum , min(Amt) from Orders group by Snum ;

```
D2_92814_Krushna>Select Snum ,min(Amt) from Orders group by Snum
;
+-----+-----+
| Snum | min(Amt) |
+-----+-----+
| 1007 | 18.69 |
| 1004 | 1900.10 |
| 1003 | 1713.23 |
| 1002 | 75.75 |
| 1001 | 4723.00 |
+-----+-----+
5 rows in set (0.04 sec)
```

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

Query -> select * from Customers where Cname like 'G%' limit 1;

```
D2_92814_Krushna>select * from Customers where Cname like 'G%' l
imit 1;
+-----+-----+-----+-----+-----+
| Cnum | Cname   | City | Rating | Snum |
+-----+-----+-----+-----+-----+
| 2002 | Giovanni | Rome | 200 | 1003 |
+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

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

Query -> Select City , max(Rating) from Customers group by City ;

```
D2_92814_Krushna>Select City ,max(Rating) from Customers group b
y City ;
+-----+-----+
| City | max(Rating) |
+-----+-----+
| London | 100 |
| Rome | 200 |
| San Jose | 200 |
| Berlin | 300 |
+-----+-----+
4 rows in set (0.04 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.)

Query -> select Odate ,count(distinct Snum) from orders group by Odate ;

```
D2_92814_Krushna>select Odate , count(distinct Snum) from orders
group by Odate ;
+-----+-----+
| Odate      | count(distinct Snum) |
+-----+-----+
| 1990-10-03 | 2 |
| 1990-10-04 | 3 |
| 1990-10-06 | 2 |
+-----+-----+
3 rows in set (0.05 sec)
```