

SQL Assignment 7

Q1) Write a query that counts all orders for October 3.

```
[kd2_80143_madhurgupta>select count(*) from orders
-> where Odate='1990-10-03';
+-----+
| count(*) |
+-----+
|          5 |
+-----+
1 row in set (0.00 sec)
```

Q2) Write a query that counts the number of different non-NULL city values in the Customers table.

```
[kd2_80143_madhurgupta>select count(distinct(city)) from customers;
+-----+
| count(distinct(city)) |
+-----+
|                        4 |
+-----+
1 row in set (0.00 sec)
```

Q3) Write a query that selects each customers smallest order.

```
[kd2_80143_madhurgupta>select Cnum,min(Amt) from orders group by Cnum order by 1;
+-----+-----+
| Cnum | min(Amt) |
+-----+-----+
| 2001 |    767.19 |
| 2002 |   1713.23 |
| 2003 |   5160.45 |
| 2004 |    75.75 |
| 2006 |   4723.00 |
| 2007 |   1900.10 |
| 2008 |    18.69 |
+-----+-----+
7 rows in set (0.01 sec)
```

Q4) Write a query that selects the first customer, in alphabetical order, whose name begins with G.

```
[kd2_80143_madhurgupta>select min(Cname) from customers where Cname like 'G%';
+-----+
| min(Cname) |
+-----+
| Giovanni   |
+-----+
1 row in set (0.00 sec)
```

Q5) Write a query that selects the highest rating in each city.

```
[kd2_80143_madhurgupta>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)
```

Q6) 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_80143_madhurgupta>select Odate, count(distinct(Snum)) from orders
[      -> group by Odate;
+-----+-----+
| Odate      | count(distinct(Snum)) |
+-----+-----+
| 1990-10-03 |                4      |
| 1990-10-04 |                2      |
| 1990-10-05 |                1      |
| 1990-10-06 |                2      |
+-----+-----+
4 rows in set (0.01 sec)
```