

**Name: Abhay Siddheshware**

**Roll no: 86716**

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

```
KD3_86716_Abhay@>select count(odate) from orders where odate='1990-10-03';
+-----+
| count(odate) |
+-----+
|           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.

```
KD3_86716_Abhay@>select count(distinct city) from customers;
+-----+
| count(distinct city) |
+-----+
|                   4 |
+-----+
1 row in set (0.01 sec)
```

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

```
KD3_86716_Abhay@>select onum, min(amt) from orders group by onum;
+-----+-----+
| onum | min(amt) |
+-----+-----+
| 3001 |    18.69 |
| 3003 |   767.19 |
| 3002 |  1900.10 |
| 3005 |  5160.45 |
| 3006 |  1098.16 |
| 3009 |   1713.23 |
| 3007 |    75.75 |
| 3008 |  4723.00 |
| 3010 |   1309.95 |
| 3011 |   9891.88 |
+-----+-----+
10 rows in set (0.00 sec)
```

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

```
KD3_86716_Abhay@>select min(cname) from customers where cname like 'G%' order by cname;
+-----+
| min(cname) |
+-----+
| Giovani    |
+-----+
1 row in set (0.00 sec)
```

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

```
KD3_86716_Abhay@>select max(rating),city from customers group by city;
+-----+-----+
| max(rating) | city    |
+-----+-----+
|          100 | london |
|          200 | Rome   |
|          300 | San Jose |
|          300 | Berlin |
+-----+-----+
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.)

```
KD3_86716_Abhay@>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 (0.00 sec)
```