

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

```
W2_89692_Aditya>select * from orders WHERE Odate='03-OCT-1990';
+-----+-----+-----+-----+-----+
| Onum | Amt      | Odate      | Cnum | Snum |
+-----+-----+-----+-----+-----+
| 3001 | 18.69    | 03-OCT-1990 | 2008 | 1007 |
| 3003 | 767.19   | 03-OCT-1990 | 2001 | 1001 |
| 3002 | 1900.10  | 03-OCT-1990 | 2007 | 1004 |
| 3005 | 5160.45  | 03-OCT-1990 | 2003 | 1002 |
| 3006 | 1098.16  | 03-OCT-1990 | 2008 | 1007 |
+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

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

```
W2_89692_Aditya>SELECT COUNT(*) AS NonNullCityCount
-> FROM Customers
-> WHERE City IS NOT NULL;
+-----+
| NonNullCityCount |
+-----+
| 7 |
+-----+
1 row in set (0.01 sec)
```

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

```
W2_89692_Aditya>select Cnum,min(Amt) from orders group by Cnum;
+-----+-----+
| Cnum | min(Amt) |
+-----+-----+
| 2008 | 18.69    |
| 2001 | 767.19   |
| 2007 | 1900.10  |
| 2003 | 5160.45  |
| 2002 | 1713.23  |
| 2004 | 75.75    |
| 2006 | 4723.00  |
+-----+-----+
7 rows in set (0.00 sec)
```

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

```
W2_89692_Aditya>SELECT Cname
-> FROM Customers
-> WHERE Cname LIKE 'G%'
-> ORDER BY Cname
-> LIMIT 1;
+-----+
| Cname |
+-----+
| Giovanni |
+-----+
1 row in set (0.02 sec)
```

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

```
W2_89692_Aditya>SELECT City, MAX(Rating) AS HighestRating
-> FROM Customers
-> GROUP BY City;
+-----+-----+
| City | HighestRating |
+-----+-----+
| London | 100 |
| Rome | 200 |
| San Jose | 300 |
| Berlin | 300 |
+-----+-----+
4 rows in set (0.01 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.).

```
W2_89692_Aditya>select Odate,count(Distinct Snum) from orders group by ODATE
;
+-----+-----+
| Odate | count(Distinct Snum) |
+-----+-----+
| 03-OCT-1990 | 4 |
| 04-OCT-1990 | 2 |
| 05-OCT-1990 | 1 |
| 06-OCT-1990 | 2 |
+-----+-----+
4 rows in set (0.00 sec)
```

