

SQL ASSIGNMENT -7

ROLL NO-84016

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

Ans.

```
D2_84016_Suyash>select count(*) from ORDERS
-> where ODate='1990-10-03';
+-----+
| count(*) |
+-----+
|          5 |
+-----+
1 row in set (0.00 sec)

D2_84016_Suyash>
```

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

Ans.

```
D2_84016_Suyash>select count(City!='NULL') from CUSTOMERS;
+-----+
| count(City!='NULL') |
+-----+
|                      7 |
+-----+
1 row in set (0.01 sec)

D2_84016_Suyash>
```

Q3. Write a query that selects each customer's smallest order.

Ans.

```
D2_84016_Suyash>Select Cnum,min(Amt) from ORDERS group by Cnum ;
+-----+-----+
| Cnum | min(Amt) |
+-----+-----+
| 2008 |      18.69 |
| 2001 |     767.19 |
| 2007 |    1900.1 |
| 2003 |    5160.45 |
| 2002 |    1713.23 |
| 2004 |     75.75 |
| 2006 |    4723 |
+-----+-----+
7 rows in set (0.04 sec)
```

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

```
D2_84016_Suyash>select min(Cname) from CUSTOMERS where Cname like 'G%' ;
+-----+
| min(Cname) |
+-----+
| Giovanni   |
+-----+
1 row in set (0.01 sec)
```

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

```
D2_84016_Suyash>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.).
ans.

```
D2_84016_Suyash>select snum,Odate,count(snum) from ORDERS group by snum,odate order by snum;
+-----+-----+-----+
| snum | Odate       | count(snum) |
+-----+-----+-----+
| 1001 | 1990-10-03 | 1           |
| 1001 | 1990-10-05 | 1           |
| 1001 | 1990-10-06 | 1           |
| 1002 | 1990-10-03 | 1           |
| 1002 | 1990-10-04 | 1           |
| 1002 | 1990-10-06 | 1           |
| 1003 | 1990-10-04 | 1           |
| 1004 | 1990-10-03 | 1           |
| 1007 | 1990-10-03 | 2           |
+-----+-----+-----+
9 rows in set (0.00 sec)

D2_84016_Suyash>
```