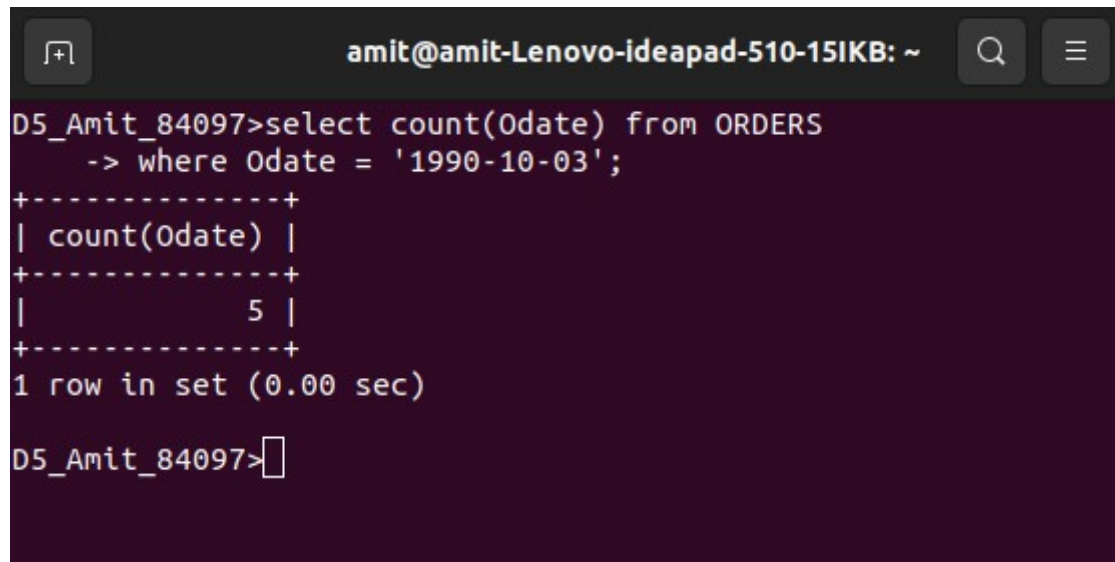


SQL Assignment – 7

Summarizing Data with Aggregate Functions.

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

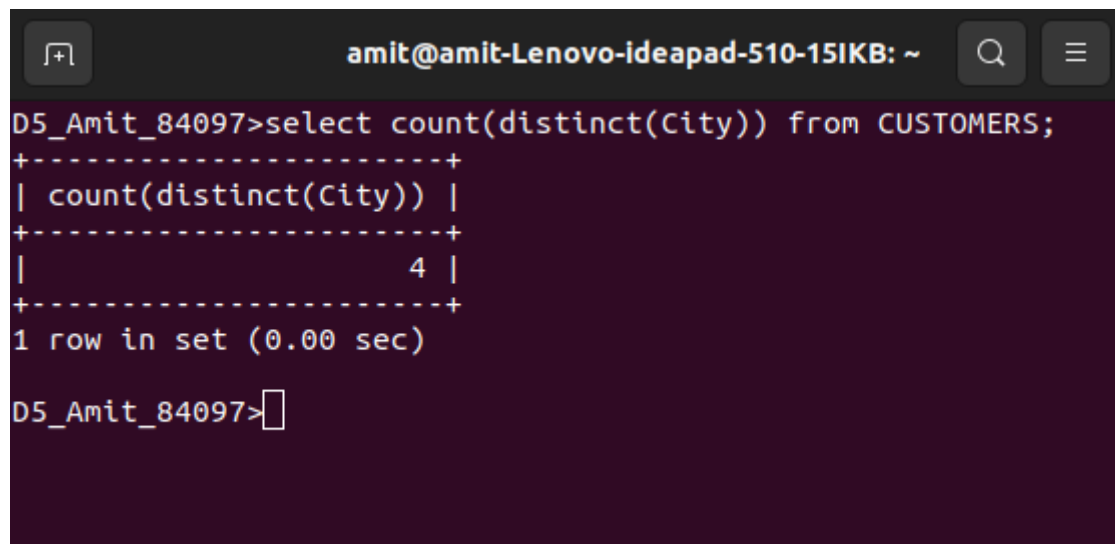
Ans:- select count(Odate) from ORDERS
where Odate = '1990-10-03';



```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select count(Odate) from ORDERS  
-> where Odate = '1990-10-03';  
+-----+  
| count(Odate) |  
+-----+  
|          5 |  
+-----+  
1 row in set (0.00 sec)  
  
D5_Amit_84097>
```

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

Ans:- select count(distinct(City)) from CUSTOMERS;



```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select count(distinct(City)) from CUSTOMERS;  
+-----+  
| count(distinct(City)) |  
+-----+  
|          4 |  
+-----+  
1 row in set (0.00 sec)  
  
D5_Amit_84097>
```

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

Ans:- select Cname, min(Amt) from ORDERS, CUSTOMERS
where CUSTOMERS.Cnum = ORDERS.Cnum
group by Cname;

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select Cname, min(Amt) from ORDERS, CUSTOMERS  
-> where CUSTOMERS.Cnum = ORDERS.Cnum  
-> group by Cname;  
+-----+-----+  
| Cname   | min(Amt) |  
+-----+-----+  
| Cisneros | 18.69    |  
| Hoffman  | 767.19   |  
| Pereira  | 1900.10  |  
| Liu      | 5160.45  |  
| Giovanni | 1713.23  |  
| Grass    | 75.75    |  
| Clemens  | 4723.00  |  
+-----+-----+  
7 rows in set (0.00 sec)  
  
D5_Amit_84097>
```

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

Ans:- select Cname from CUSTOMERS
where Cname like 'G%'
order by Cname
limit 1;

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select Cname from CUSTOMERS  
-> where Cname like 'G%'  
-> order by Cname  
-> limit 1;  
+-----+  
| Cname   |  
+-----+  
| Giovanni |  
+-----+  
1 row in set (0.00 sec)  
  
D5_Amit_84097>
```

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

Ans:- select distinct(City), max(Rating) from CUSTOMERS
group by City;

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>select distinct(City), max(Rating) from CUSTOMERS  
-> group by City;  
+-----+-----+  
| City      | max(Rating) |  
+-----+-----+  
| London    |          100 |  
| Rome      |          200 |  
| San Jose  |          300 |  
| Berlin    |          300 |  
+-----+-----+  
4 rows in set (0.01 sec)  
  
D5_Amit_84097>
```

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 givenday, he or she should be counted only once.).

Ans:- select Odate, count(distinct(Snum)) from ORDERS
group by Odate;

```
amit@amit-Lenovo-ideapad-510-15IKB: ~  
D5_Amit_84097>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)  
  
D5_Amit_84097>
```