Assignment 7

MySQL

Database technologies

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

```
W1_86802_Aman>select count(onum) from orders where odate='1990-10-03';
+-------------+
| count(onum) |
+-------------+
|           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

```
W1_86802_Aman>select count(city) from customers where city is not null ;
+-------------+
| count(city) |
+-------------+
|           7 |
+-------------+
1 row in set (0.00 sec)
```

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

```
W1_86802_Aman>select min(snum) from customers group by cnum;
+-----------+
| min(snum) |
+-----------+
|      1001 |
|      1002 |
|      1002 |
|      1001 |
|      1007 |
|      1004 |
+-----------+
6 rows in set (0.00 sec)
```

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

```
W1_86802_Aman>select cname from customers where cname like 'G%'order by cname;
+----------+
| cname    |
+----------+
| Giovanni |
| Grass    |
+----------+
2 rows in set (0.00 sec)
```

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

```
W1_86802_Aman>select max(rating) from customers group by city;
+-------------+
| max(rating) |
+-------------+
|         100 |
|         200 |
|         300 |
|         300 |
+-------------+
4 rows in set (0.00 sec)
```

6) Write a query that counts the number of salespeople registering orders for each day. (Ifa salesperson has more than one order on a givenday, he or she should be counted only once.)

```
W1_86802_Aman>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)
```