Assignment 7

KD1_86940_parag

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

```
mysql> select count(*) from orders where odate='1990-10-03';
+----------+
| count(*) |
+----------+
|        5 |
+----------+
```

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

```
mysql> select count(city) from customers where city is not null;
+-------------+
| count(city) |
+-------------+
|           7 |
+-------------+
```

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

```
mysql> select min(amt) ,cname from orders,customers where orders.cnum=customers.cnum group by cname;
+---------+---------+
| min(amt) | cname   |
+---------+---------+
|    18.69 | Cisneros |
|   767.19 | Hoffman  |
|  1900.10 | Pereira  |
|  5160.45 | Liu      |
|  1713.23 | Giovanni |
|    75.75 | Grass    |
|  4723.00 | Clemens  |
+---------+---------+
```

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

```
mysql> select * from customers where cname like 'G%' order by cname;
+------+----------+--------+--------+------+
| cnum | cname    | city   | rating | snum |
+------+----------+--------+--------+------+
| 2002 | Giovanni | Rome   |    200 | 1003 |
| 2004 | Grass    | Berlin |    300 | 1002 |
+------+----------+--------+--------+------+
```

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

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

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.).

```
mysql> select count(orders.snum) as number_of_orders,salespeople.sname from orders,salespeople where salespeople.snum=orders.snum group by sname;
+-----------------+---------+
| number_of_orders | sname   |
+-----------------+---------+
|               2 | Rifkin  |
|               3 | Peel    |
|               1 | Motika  |
|               3 | Serres  |
|               1 | Axelrod |
+-----------------+---------+
```