DBT Assignment-7

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

```
select count(*) from orders
where odate = '1990-10-03';
```

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

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

```
select count(distinct city) UniqueCityCount from customers
where city is not null;
```

```
mysql> select count(distinct city) UniqueCityCount from customers
    -> where city is not null;
+-----------------+
| UniqueCityCount |
+-----------------+
|               4 |
+-----------------+
```

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

```
select c.cname, o.onum, min(o.amt) SmallestOrder
from customers c
join orders o on c.cnum = o.cnum
group by c.cname, o.onum;
```

```
mysql> select c.cname, o.onum, min(o.amt) SmallestOrder
    -> from customers c
    -> join orders o on c.cnum = o.cnum
    -> group by c.cname, o.onum;
+----------+------+---------------+
| cname    | onum | SmallestOrder |
+----------+------+---------------+
| Cisneros | 3001 |         18.69 |
| Hoffman  | 3003 |        767.19 |
| Pereira  | 3002 |       1900.10 |
| Liu      | 3005 |       5160.45 |
| Cisneros | 3006 |       1098.16 |
| Giovanni | 3009 |       1713.23 |
| Grass    | 3007 |         75.75 |
| Clemens  | 3008 |       4723.00 |
| Grass    | 3010 |       1309.95 |
| Clemens  | 3011 |       9891.88 |
+----------+------+---------------+
```

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

select min(cname) from customers
where cname like 'G%'
order by cname;

```
mysql> select min(cname) from customers
    -> where cname like 'G%'
    -> order by cname;
+-------------+
| min(cname) |
+-------------+
| Giovanni   |
+-------------+
```

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

select city, max(rating) HighestRating from customers
group by city;

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

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.)

select count(distinct snum) from orders
group by odate;