DBT Assignment-11

1. Write a query that uses a subquery to obtain all orders for the customer named Cisneros. Assume you do not know his customer number (cnum).

```
select * from orders
where cnum =
(select cnum from customers
where cname = 'Cisneros');
```

```
mysql> select * from orders
    -> where cnum =
    -> (select cnum from customers
    -> where cname = 'Cisneros');
+------+---------+------------+------+------+
| Onum | Amt     | Odate      | Cnum | Snum |
+------+---------+------------+------+------+
| 3001 |   18.69 | 1990-10-03 | 2008 | 1007 |
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
+------+---------+------------+------+------+
```

2. Write a query that produces the names and ratings of all customers who have above-average orders.

```
select c.cname, c.rating from customers c
join orders o on o.cnum = c.cnum
where o.amt >
(select avg(amt) from orders);
```

```
mysql> select c.cname, c.rating from customers c
    -> join orders o on o.cnum = c.cnum
    -> where o.amt >
    -> (select avg(amt) from orders);
+---------+--------+
| cname   | rating |
+---------+--------+
| Liu     |    200 |
| Clemens |    100 |
| Clemens |    100 |
+---------+--------+
```

3. Write a query that selects the total amount in orders for each salesperson for whom this total is greater than the amount of the largest order in the table.

```
select s.sname, sum(o.amt) from orders o
join salespeople s on o.snum = s.snum
group by s.sname
having sum(o.amt) >
(select max(amt) from orders);
```

```
mysql> select s.sname, sum(o.amt) from orders o
    -> join salespeople s on o.snum = s.snum
    -> group by s.sname
    -> having sum(o.amt) >
    -> (select max(amt) from orders);
+-------+------------+
| sname | sum(o.amt) |
+-------+------------+
| Peel  |   15382.07 |
+-------+------------+
```