Assignment 11

Mysql

Database technologies

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).

```
W1_86802_Aman>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 rows in set (0.00 sec)
```

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

```
W1_86802_Aman>select cname,rating,amt from orders,customers where customers.snum=orders.snum and orders.amt>(select avg(amt) from orders);
+---------+--------+---------+
| cname   | rating | amt     |
+---------+--------+---------+
| Hoffman |    100 | 9891.88 |
| Hoffman |    100 | 4723.00 |
| Liu     |    200 | 5160.45 |
| Grass   |    300 | 5160.45 |
| Clemens |    100 | 9891.88 |
| Clemens |    100 | 4723.00 |
+---------+--------+---------+
6 rows in set (0.00 sec)
```

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.

```
W1_86802_Aman>select sname,sum(amt) from orders,salespeople where orders.snum=salespeople.snum group by sname having sum(amt)> (select max(amt
) max from orders);
+-------+----------+
| sname | sum(amt) |
+-------+----------+
| peel  | 15382.07 |
+-------+----------+
1 row in set (0.00 sec)
```