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).

```
mysql> select o.* from orders o
    -> where cnum =(select cnum from customers where
    -> cname ='Clark');
+------+------+------------+------+------+
| onum | amt  | odate      | cnum | snum |
+------+------+------------+------+------+
| 3003 | 0.00 | 1990-10-05 | 2003 | 1004 |
+------+------+------------+------+------+
1 row in set (0.02 sec)
```

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

```
mysql> SELECT DISTINCT c.cname, c.rating
    -> FROM customers c
    -> JOIN orders o ON c.cnum = o.cnum
    -> WHERE o.amt > (
    ->     SELECT AVG(amt)
    ->     FROM orders
    ->     WHERE amt IS NOT NULL
    -> );
+-------+--------+
| cname | rating |
+-------+--------+
| Brown |    200 |
| David |    300 |
+-------+--------+
2 rows in set (0.03 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.

```
mysql> SELECT s.snum, SUM(o.amt) AS total_order_amount
    -> FROM orders o
    -> JOIN salesperson s ON o.snum = s.snum
    -> GROUP BY s.snum
    -> HAVING total_order_amount >= (
    ->     SELECT MAX(amt)
    ->     FROM orders
    -> );
+------+--------------------+
| snum | total_order_amount |
+------+--------------------+
| 1002 |            4500.00 |
+------+--------------------+
1 row in set (0.00 sec)
```