SQL Assignment - 11

Subqueries

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).

```
D6_87105_Pawan@>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.

```
D6_87105_Pawan@>select cname, rating, amt from orders, customers
    -> where customers.cnum = orders.cnum
    -> group by cname, rating, amt
    -> having amt >
    -> (select avg(amt) from orders);
+---------+--------+---------+
| cname   | rating | amt     |
+---------+--------+---------+
| Clemens |    100 | 4723.00 |
| Clemens |    100 | 9891.88 |
+---------+--------+---------+
2 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.

```
D6_87105_Pawan@>select sname, sum(amt) from orders, salespeople
    -> where salespeople.snum= orders.snum
    -> group by sname
    -> having sum(amt) >
    -> (select max(amt) from orders);
+-------+----------+
| sname | sum(amt) |
+-------+----------+
| Peel  | 15382.07 |
+-------+----------+
1 row in set (0.00 sec)
```