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).

```
W3_84107_Aboli>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 (0.01 sec)

W3_84107_Aboli>
```

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

```
ERROR 1054 (42S22): Unknown column 'CUSTOMER.Cnum' in 'where clause'
W3_84107_Aboli>select Cname,Rating,Amt from CUSTOMERS,ORDERS where CUSTOMERS.Cnum=ORDERS.Cnum and Amt>(select avg(Amt) from ORDERS);
+---------+--------+---------+
| Cname   | Rating | Amt     |
+---------+--------+---------+
| Liu     |    200 | 5160.45 |
| Clemens |    100 | 9891.88 |
| Clemens |    100 | 4723.00 |
+---------+--------+---------+
3 rows in set (0.00 sec)

W3_84107_Aboli>
```

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.

```
W3_84107_Aboli>select sum(Amt) from ORDERS group by Snum having sum(Amt)>(select max(Amt) from ORDERS);
+----------+
| sum(Amt) |
+----------+
| 15382.07 |
+----------+
1 row in set (0.04 sec)

W3_84107_Aboli>
```