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).
Ans:

```
W1_83926_Vaibhavi>select * from Orders where Snum = (select Snum 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.
Ans:

```
W1_83926_Vaibhavi>select Cname, Rating from Customers
    -> where Cnum in (select Cnum from Orders where Amt>(select Avg(Amt) from Or
ders));
+---------+--------+
| Cname   | Rating |
+---------+--------+
| Liu     |    200 |
| Clemens |    100 |
+---------+--------+
2 rows in set (0.00 sec)
```

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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.
Ans:

```
W1_83926_Vaibhavi>select Snum,sum(Amt) from Orders
    -> group by Snum
    -> having sum(Amt) > (select max(Amt) from Orders);
+------+----------+
| Snum | sum(Amt) |
+------+----------+
| 1001 | 15382.07 |
+------+----------+
1 row in set (0.00 sec)
```