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).

```
D1_Prajakta_83867>select Onum "All Orders",Odate,Amt,Cnum from ORDERS where Cnum in(SELECT Cnum from CUSTO
MER WHERE Cname='Cisneros');
+-----------+-----------+---------+------+
| All Orders | Odate      | Amt     | Cnum |
+-----------+-----------+---------+------+
|       3001 | 1990-10-03 |   18.69 | 2008 |
|       3006 | 1990-10-03 | 1098.16 | 2008 |
+-----------+-----------+---------+------+
2 rows in set (2.70 sec)

D1_Prajakta_83867>
```

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

```
D1_Prajakta_83867>select Cname,Rating from CUSTOMER WHERE Cnum in (SELECT Cnum from O
RDERS WHERE Amt>(SELECT avg(Amt) from ORDERS));
+---------+--------+
| Cname   | Rating |
+---------+--------+
| Clemens |    100 |
| Liu     |    200 |
+---------+--------+
2 rows in set (0.12 sec)

D1_Prajakta_83867>
```

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.

```
D1_Prajakta_83867>select sum(Amt) from ORDERS group by Snum having sum(Amt)> (select max(Amt) from ORDERS)
 ;
+----------+
| sum(Amt) |
+----------+
| 15382.07 |
+----------+
1 row in set (0.06 sec)

D1_Prajakta_83867>
```