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).

   Query:

   select * from orders

   -> where Cnum = (select Cnum from customers where Cname = 'Cisneros');

```
D3_93025_Omkar>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) Write a query that produces the names and ratings of all customers who have above-average orders.
   Query:
   where Cnum in (select Cnum from orders where Amt > (select avg(AMT) from orders));

```
D3_93025_Omkar>select Cname,Rating from customers
    -> where Cnum in (select Cnum from orders where Amt > (select avg(AMT) from orders));
+---------+--------+
| Cname   | Rating |
+---------+--------+
| Liu     |    200 |
| Clemens |    100 |
+---------+--------+
```

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.
   Query:

select snum,sum(amt) from orders
  -> group by snum
    -> having sum(amt) > (select max(amt) from orders);

```
D3_93025_Omkar>select snum,sum(amt) from orders
    -> group by snum
    -> having sum(amt) > (select max(amt) from orders);
+------+----------+
| snum | sum(amt) |
+------+----------+
| 1001 | 15382.07 |
+------+----------+
```