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).

```
D3_92819_Shubham>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.

```
D3_92819_Shubham>select cname, rating, amt from orders,customers
    -> where customers.cnum = orders.cnum
    -> having amt >
    -> (select avg(amt) from orders);
+---------+--------+---------+
| cname   | rating | amt     |
+---------+--------+---------+
| Liu     |    200 | 5160.45 |
| Clemens |    100 | 4723.00 |
| Clemens |    100 | 9891.88 |
+---------+--------+---------+
3 rows in set (0.01 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.

```
D3_92819_Shubham>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)
```