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).

Select customers.cname, orders.Onum from orders, customers where customers.cnum = orders.cnum and customers.cnum = (Select customers.cnum from customers where cname = 'Cisneros');

```
D3_92972_Shubham>Select customers.cname, orders.Onum from orders, customers where customers.cnum = orders.cnum and customers.cnum = (S
elect customers.cnum from customers where cname = 'Cisneros');
+---------+------+
| cname   | Onum |
+---------+------+
| Cisneros | 3001 |
| Cisneros | 3006 |
+---------+------+
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.

Select customers.cname, customers.rating, orders.amt from customers, orders where customers.cnum = orders.cnum and orders.amt>(select avg(amt) from orders);

```
D3_92972_Shubham>Select customers.cname, customers.rating, orders.amt from customers, orders where customers.cnum = orders.cnum and or
ders.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)
```

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.

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

```
D3_92972_Shubham>Select sum(amt) from orders group by snum having sum(amt)>(select max(amt) from orders);
+----------+
| sum(amt) |
+----------+
| 15382.07 |
+----------+
1 row in set (0.00 sec)
```