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).

Answer : **select ONUM from orders where SNUM = (select SNUM from customers where CNAME = 'Cisneros');**

```
D5_92671_Akshat>select ONUM from orders where SNUM = (select SNUM from customers where CNAME = 'Cisneros');
+-------+
| ONUM |
+-------+
| 3001 |
| 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.

Answer : **select distinct CNAME,RATING from customers,orders where orders.CNUM = customers.CNUM and AMT > (select avg(AMT) from orders);**

```
D5_92671_Akshat> select distinct CNAME,RATING from customers,orders where orders.CNUM = customers.CNUM and AMT > (select avg(AMT) from orders);
+---------+--------+
| CNAME   | RATING |
+---------+--------+
| Liu     |    200 |
| Clemens |    100 |
+---------+--------+
2 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.

Answer : **select SNUM,sum(AMT) 'Amount' from orders group by SNUM having sum(AMT) > (select max(AMT) from orders);**

```
D5_92671_Akshat>select SNUM,sum(AMT) 'Amount' from orders group by SNUM having sum(AMT) > (select max(AMT) from orders);
+------+----------+
| SNUM | Amount   |
+------+----------+
| 1001 | 15382.07 |
+------+----------+
1 row in set (0.00 sec)
```