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).

```
KD3_87023_Abhishek@>select * from orders where cnum=(select cnum from customers whe
re cname='Cisneros');
+------+---------+------------+------+------+
| Onum | Amt     | Odate      | Cnum | Snum |
+------+---------+------------+------+------+
| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |
| 3001 |   18.69 | 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.

```
KD3_87023_Abhishek@>SELECT distinct customers.cname, customers.rating FROM customers, orders WHERE customers.cnum = orders.cnum  AND orders.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.

```
KD3_87023_Abhishek@>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)
```