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_86927_Vivek@>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)

KD3_86927_Vivek@>
```

2) Write a query that produces the names and ratings of all customers who have above-average orders.

```
KD3_86927_Vivek@>select cname, rating from customers
    -> where cnum = any
    -> (select cnum from orders where amt > all(select avg(amt) from orders));
+---------+--------+
| cname   | rating |
+---------+--------+
| Liu     |    200 |
| Clemens |    100 |
+---------+--------+
2 rows in set (0.00 sec)

KD3_86927_Vivek@>
```

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_86927_Vivek@> select Snum ,SUM(Amt) total
    -> FROM ORDERS
    -> GROUP BY Snum
    -> having total > (SELECT MAX(Amt)from orders);
+------+----------+
| Snum | total    |
+------+----------+
| 1001 | 15382.07 |
+------+----------+
1 row in set (0.00 sec)

KD3_86927_Vivek@>
```