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).

Ans:-

```
KD3_86718_yagywalky@>select onum from orders
    -> where cnum =
    -> (select cnum from customers
    -> where cname='cisneros');
+------+
| onum |
+------+
| 3001 |
| 3006 |
+------+
2 rows in set (0.01 sec)
```

2) Write a query that produces the names and ratings of all customers who have

   above-average orders.

Ans:-

```
KD3_86718_yagywalky@>select cname,rating from customers
    -> where cnum =any
    -> (select cnum from orders where 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.

Ans:-

```
KD3_86718_yagywalky@>select distinct 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)
```