

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_86672_saksham@>select onum from orders where cnum = (select cnum 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.

```
KD3_86672_saksham@>select cname , rating from customers where cnum = any(select cnum from orders where amt > any(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_86672_saksham@> select snum,sum(amt) as 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)
```