

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:-

```
D3_92975_siddarth>select onum from
-> (select onum from orders
-> where snum = 1007) abc;
+-----+
| 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.

Ans:-

```
D3_92975_siddarth>select cname,rating from customers,orders where custom
ers.cnum = orders.cnum
-> group by customers.cname, customers.rating
-> having avg(orders.amt) > (select avg(amt) from orders ) ;
+-----+-----+
| cname | rating |
+-----+-----+
| Liu   | 200    |
| Clemens | 100    |
+-----+-----+
2 rows in set (0.05 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:-

```
D3_92975_siddarth>select  Sname, sum(amt) "Total_Amt " from orders,sales
people
    -> where salespeople.Snum = orders.snum
    -> group by salespeople.Sname
    -> having sum(orders.amt) > (select max(amt) from orders );
+-----+-----+
| Sname | Total_Amt |
+-----+-----+
| peel  |    15382.07 |
+-----+-----+
1 row in set (0.04 sec)
```