

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).

Query : select onum from orders where cnum = (select cnum from customers where cname = 'Cisneros') ;

```
D3_92969_Dhananjay>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.

Query : select cname, rating from customers where cnum in (select cnum from orders where amt > (select avg(amt) from orders));

```
D3_92969_Dhananjay>select cname, rating from customers where cnum in (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.

Query : select snum , sum(amt) total from orders group by snum having total >(select max(amt) from orders) ;

```
D3_92969_Dhananjay>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 (0.01 sec)
```