

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_86676_Deependra@>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)
```

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

Ans:

```
KD3_86676_Deependra@>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 (0.01 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_86676_Deependra@>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)
```

