

## 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_86720_Raju@>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 (0.01 sec)
```

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

```
KD3_86720_Raju@>select cname, rating from customers where cnum in (select cnum from orders group by cnum having AVG(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_86720_Raju@>select SUM(amt) from orders group by snum having sum(amt) > (select max(amt) from orders);
+-----+
| SUM(amt) |
+-----+
| 15382.07 |
+-----+
1 row in set (0.00 sec)
```