***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 :**

**mysql> 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 |**

**+------+---------+------------+------+------+**

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

**Ans :**

**mysql> SELECT DISTINCT c.Cname, c.Rating**

**-> FROM customers c**

**-> JOIN orders o ON c.Cnum = o.Cnum**

**-> WHERE o.Amt > (SELECT AVG(Amt) FROM orders);**

**+---------+--------+**

**| Cname | Rating |**

**+---------+--------+**

**| Karan | 150 |**

**| Liu | 200 |**

**| Clemens | 100 |**

**+---------+--------+**

**ANS OF 3RD ::**

**mysql> SELECT Snum, SUM(Amt) AS TotalSales**

**-> FROM orders**

**-> GROUP BY Snum**

**-> HAVING SUM(Amt) > (**

**-> SELECT MAX(Amt) FROM orders**

**-> );**

**+------+------------+**

**| Snum | TotalSales |**

**+------+------------+**

**| 1001 | 15382.07 |**

**+------+------------+**

**1 row in set (0.00 sec)**

1. 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.