***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).

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 |

+------+---------+------------+------+------+

2 rows in set (0.00 sec)

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

mysql> select c.Cname,c.Rating from customers c where c.Cnum in(

-> select o.Cnum

-> from orders o

-> group by o.Cnum

-> having SUM(o.Amt)>(

-> select AVG(Total)

-> from(

-> select SUM(Amt) as Total

-> from orders

-> group by Cnum

-> )as SubQuery

-> )

-> );

+---------+--------+

| 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.

mysql> select o.Snum,SUM(o.Amt) as TotalAmount from orders o group by o.Snum having SUM(o.Amt) > (select MAX(Amt) from orders);

+------+-------------+

| Snum | TotalAmount |

+------+-------------+

| 1001 | 15382.07 |

+------+-------------+

1 row in set (0.00 sec)

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