**ASSIGNMENT 11**

**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 (0.01 sec)**

**mysql>**

**2) 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**

**-> JOIN ORDERS O ON C.Cnum = O.Cnum**

**-> GROUP BY C.Cname, C.Rating**

**-> HAVING SUM(O.Amt) > (SELECT AVG(Amt) FROM ORDERS);**

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

**| Cname | Rating |**

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

**| Liu | 200 |**

**| Clemens | 100 |**

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

**2 rows in set (0.02 sec)**

**mysql>**

**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 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 (0.01 sec)**

**mysql>**