

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

2 rows in set (0.03 sec)

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

ANS÷

```
mysql> SELECT Cname, Rating
-> FROM customers
-> WHERE Cnum IN (
->     SELECT Cnum
->     FROM orders
->     GROUP BY Cnum
->     HAVING SUM(Amt) > (SELECT AVG(Amt) FROM
orders)
-> );
```

Cname	Rating
Liu	200
Clemens	100

2 rows in set (0.00 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.

ANS÷

```
mysql> SELECT Snum, SUM(Amt) AS Total_Sales
-> FROM orders
-> GROUP BY Snum
-> HAVING SUM(Amt) > (
->     SELECT MAX(Amt) FROM orders
-> );
```

```
+-----+-----+
| Snum | Total_Sales |
+-----+-----+
| 1001 |    15382.07 |
+-----+-----+
```

1 row in set (0.00 sec)