

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).

```
W2_89692_Aditya>select onum "All orders",cnum from orders WHERE cnum=(Select
  cnum from customers WHERE cname='cisneros');
+-----+-----+
| All orders | cnum |
+-----+-----+
|      3001 | 2008 |
|      3006 | 2008 |
+-----+-----+
2 rows in set (0.00 sec)
```

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

```
W2_89692_Aditya>select cname,rating from customers WHERE cnum IN (SELECT cnu
m FROM orders WHERE 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.

```
W2_89692_Aditya>select sum(amt) FROM orders GROUP BY snum HAVING sum(amt)>(S
elect max(amt)FROM orders);
+-----+
| sum(amt) |
+-----+
| 15382.07 |
+-----+
1 row in set (0.00 sec)
```