

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).

```
select Onum from ORDERS
```

```
-> where Snum =
```

```
-> (select Snum from CUSTOMERS
```

```
-> where Cname = 'Cisneros');
```

```
+-----+
| Onum  |
+-----+
| 3001  |
| 3006  |
+-----+
```

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

```
select Cname, Rating from CUSTOMERS
```

```
-> where Cnum in
```

```
-> (select Cnum 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

```
select Snum, sum(Amt) from ORDERS
```

-> group by Snum

-> having sum(Amt) >

-> (select max(Amt) from ORDERS);

```
+-----+-----+
| Snum | sum(Amt) |
+-----+-----+
| 1001 | 15382.07 |
+-----+-----+
```