

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_92894_Ekta>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)

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

```
W2_92894_Ekta>SELECT DISTINCT
->      c.cname,
->      c.rating
-> FROM
->      customers c
-> JOIN
->      orders o ON c.cnum = o.cnum
-> WHERE
->      o.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.

```
W2_92894_Ekta>SELECT
->     s.sname AS salesperson_name,
->     SUM(o.amt) AS total_sales
-> FROM
->     orders o
-> JOIN
->     salespeople s ON o.snum = s.snum
-> GROUP BY
->     s.sname
-> HAVING
->     SUM(o.amt) > (
->         SELECT MAX(amt)
->         FROM orders
->     );
```

salesperson_name	total_sales
Peel	15382.07

1 row in set (0.00 sec)