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**CSE370 Section 2**

**Task 1:**

SELECT customer.customer\_name, loan.loan\_number

FROM

(loan INNER JOIN borrower ON loan.loan\_number = borrower.loan\_number)

INNER JOIN customer ON customer.customer\_id = borrower.customer\_id

WHERE loan.branch\_name = 'Downtown';



**Task 2:**

SELECT c1.customer\_name,c2.customer\_name,c1.customer\_city FROM

(customer c1 INNER JOIN customer c2 ON c1.customer\_city = c2.customer\_city)

WHERE c1.customer\_id != c2.customer\_id;



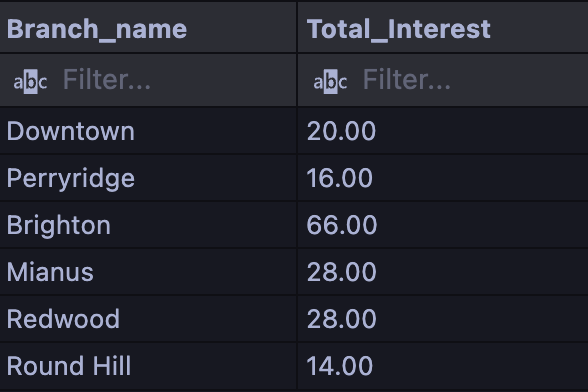
**Task 3:**

SELECT tempTable.branch\_name as Branch\_name,

tempTable.totalBalance \* 0.04 as Total\_Interest

FROM (SELECT SUM(balance) as totalBalance,branch\_name FROM

account GROUP BY branch\_name) as tempTable;



**Task 4:**

SELECT account.account\_number,tempTable.branch\_name,tempTable.balance FROM

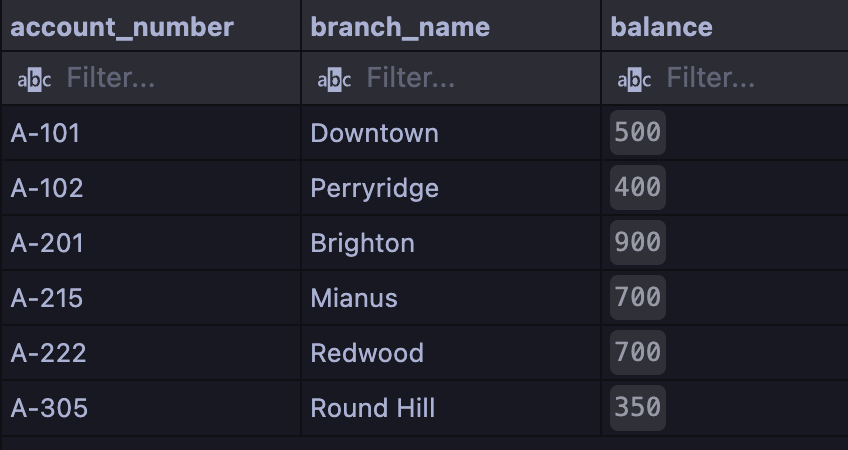
(SELECT account.branch\_name,MAX(balance) as balance FROM

(account INNER JOIN branch ON account.branch\_name = branch.branch\_name)

GROUP BY account.branch\_name) as tempTable

INNER JOIN account

ON (tempTable.branch\_name = account.branch\_name AND tempTable.balance = account.balance);



**Task 5:**

SELECT tempTable.loan\_number as loan\_number, tempTable.amount as loan\_amount, customer.customer\_name as customer\_name FROM

(SELECT loan.loan\_number, amount,customer\_id FROM loan

INNER JOIN borrower ON loan.loan\_number = borrower.loan\_number

ORDER BY amount DESC LIMIT 5) as tempTable

INNER JOIN customer ON tempTable.customer\_id = customer.customer\_id

ORDER BY tempTable.amount ASC, tempTable.loan\_number DESC;



**Task 6:**

SELECT customer\_name,amount

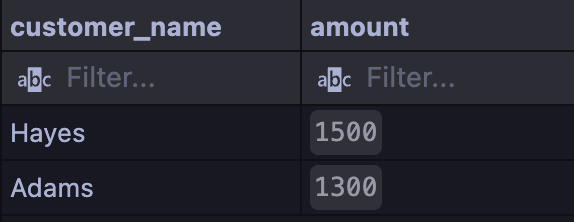
FROM (customer INNER JOIN borrower

ON borrower.customer\_id = customer.customer\_id)

INNER JOIN loan

ON loan.loan\_number = borrower.loan\_number

WHERE loan.branch\_name = "Perryridge";



**Task 7:**

SELECT customer.customer\_name,newTable.total\_loan FROM

(SELECT borrower.customer\_id,SUM(amount) as total\_loan FROM

((borrower INNER JOIN

(SELECT customer\_id,COUNT(\*) as customerNumber From borrower

GROUP BY customer\_id HAVING customerNumber >= 2) as tempTable

ON borrower.customer\_id = tempTable.customer\_id)

INNER JOIN loan ON borrower.loan\_number = loan.loan\_number)

GROUP BY borrower.customer\_id) as newTable INNER JOIN customer

ON newTable.customer\_id = customer.customer\_id;

