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**CSE370**

**Database Systems**

**Spring-24**

**Lab Assignment - 3**

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**Student ID: 22301061**

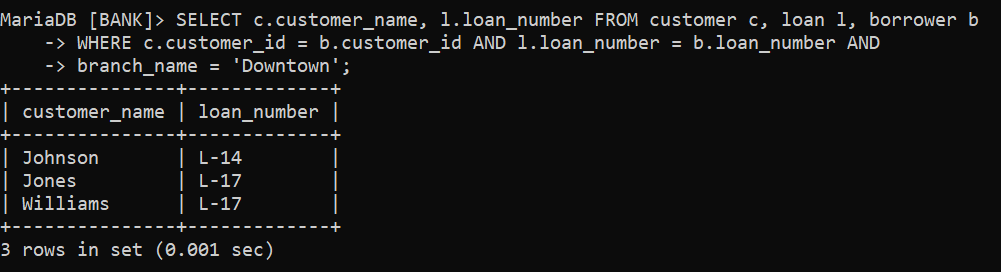
**Section: 13**

**TASK\_01**

SELECT c.customer\_name, l.loan\_number FROM customer c, loan l, borrower b

WHERE c.customer\_id = b.customer\_id AND l.loan\_number = b.loan\_number AND

branch\_name = 'Downtown';



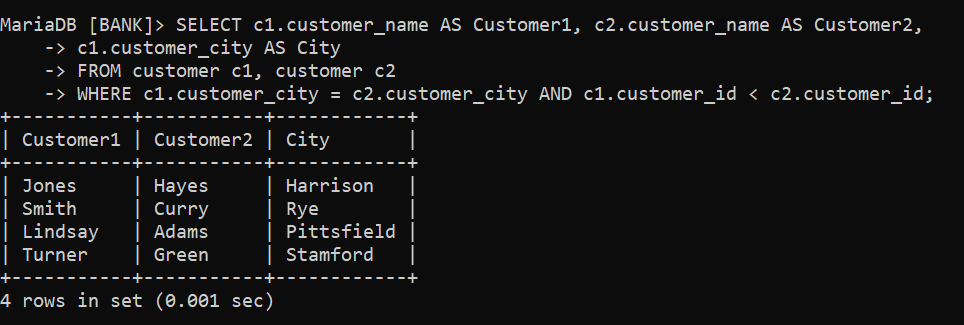
**TASK\_02**

SELECT c1.customer\_name AS Customer1, c2.customer\_name AS Customer2,

c1.customer\_city AS City

FROM customer c1, customer c2

WHERE c1.customer\_city = c2.customer\_city AND c1.customer\_id < c2.customer\_id;



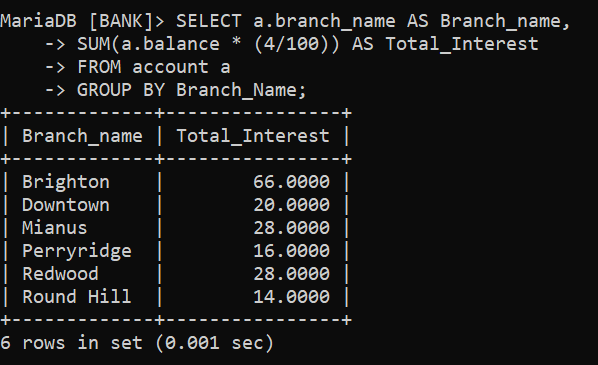
**TASK\_03**

SELECT a.branch\_name AS Branch\_name,

SUM(a.balance \* (4/100)) AS Total\_Interest

FROM account a

GROUP BY Branch\_Name;



**TASK\_04**

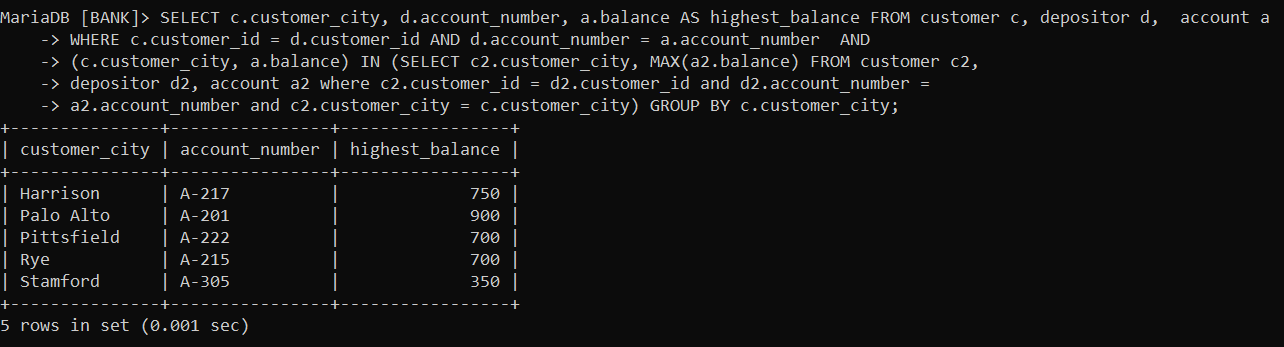
SELECT c.customer\_city, d.account\_number, a.balance AS highest\_balance FROM customer c, depositor d, account a

WHERE c.customer\_id = d.customer\_id AND d.account\_number = a.account\_number AND

(c.customer\_city, a.balance) IN (SELECT c2.customer\_city, MAX(a2.balance) FROM customer c2,

depositor d2, account a2 WHERE c2.customer\_id = d2.customer\_id AND d2.account\_number =

a2.account\_number AND c2.customer\_city = c.customer\_city) GROUP BY c.customer\_city;



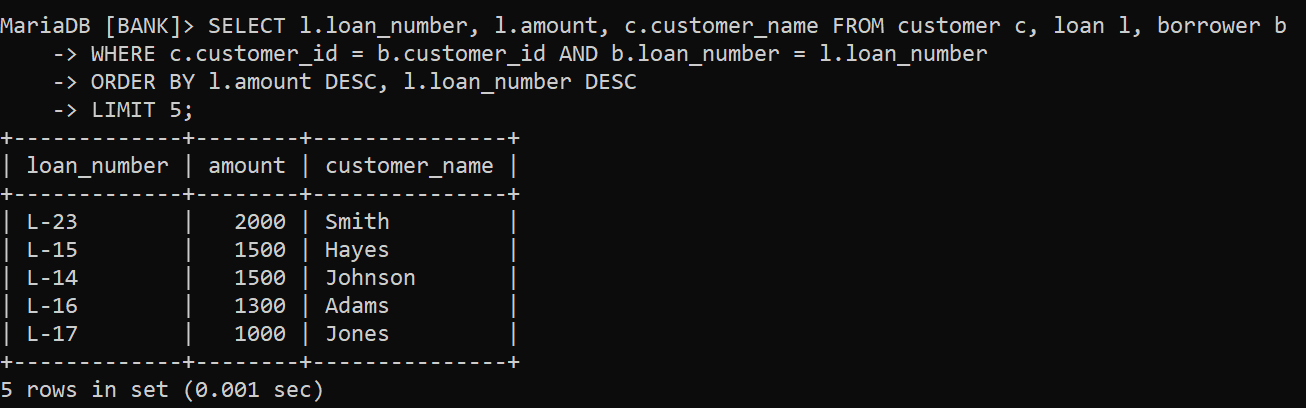
**TASK\_05**

SELECT l.loan\_number, l.amount, c.customer\_name FROM customer c, loan l, borrower b

WHERE c.customer\_id = b.customer\_id AND b.loan\_number = l.loan\_number

ORDER BY l.amount DESC, l.loan\_number DESC

LIMIT 5;



**TASK\_06**

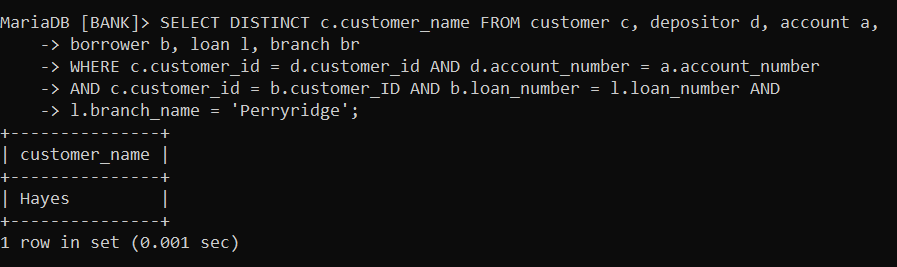
SELECT DISTINCT c.customer\_name FROM customer c, depositor d, account a,

borrower b, loan l, branch br

WHERE c.customer\_id = d.customer\_id AND d.account\_number = a.account\_number

AND c.customer\_id = b.customer\_ID AND b.loan\_number = l.loan\_number AND

l.branch\_name = 'Perryridge';



**TASK\_07**

SELECT c.customer\_name, SUM(l.amount) as total\_loan

FROM customer c, loan l, borrower b

WHERE c.customer\_id = b.customer\_id AND b.loan\_number = l.loan\_number

GROUP BY c.customer\_name

HAVING COUNT(l.loan\_number) >= 2;

