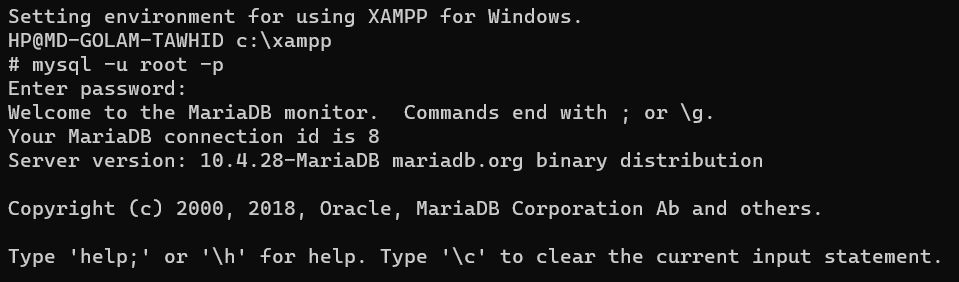
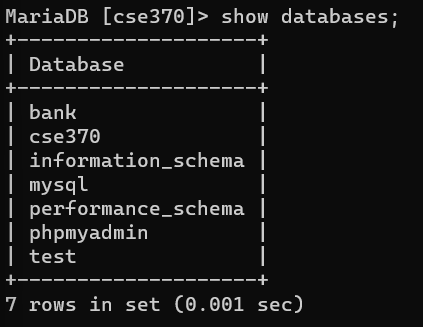
**Setting Environment:**



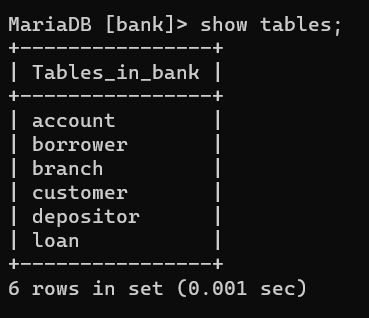
**All Databases:**



**Using Bank Database:**

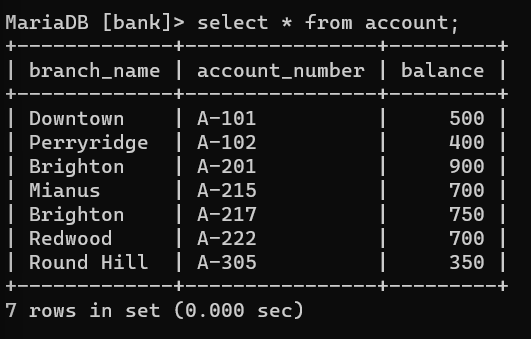
****

**All Tables in Bank database:**

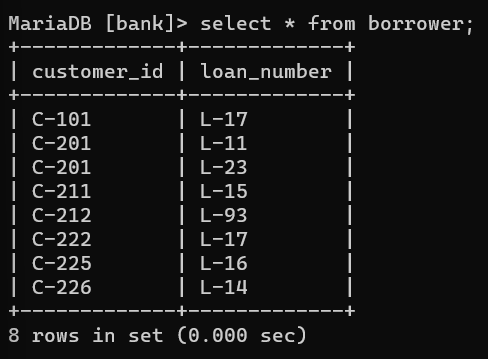


**Tables After Inserting Data:**

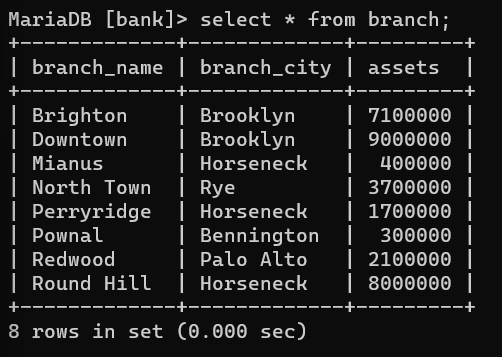
Account:



Borrower:



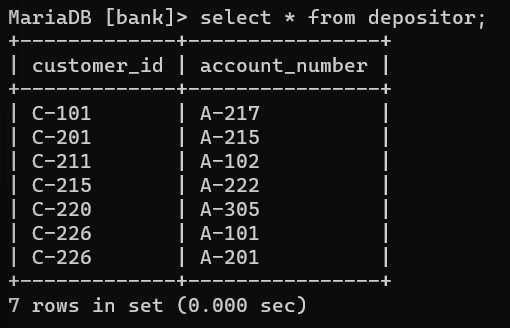
Branch:



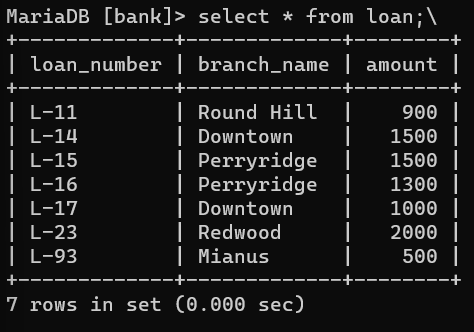
Customer:



Depositor:



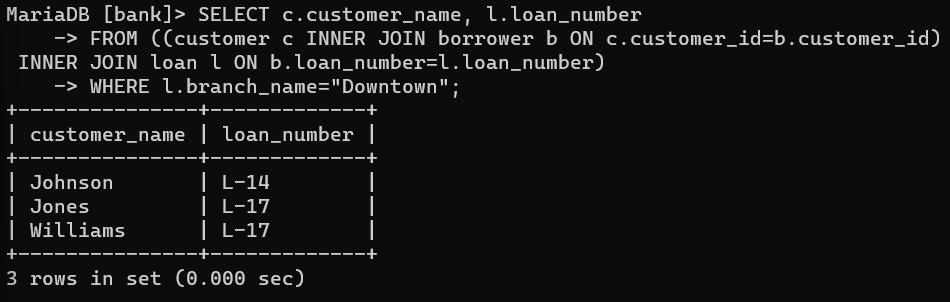
Loan:



**TASK 1:** SELECT c.customer\_name, l.loan\_number

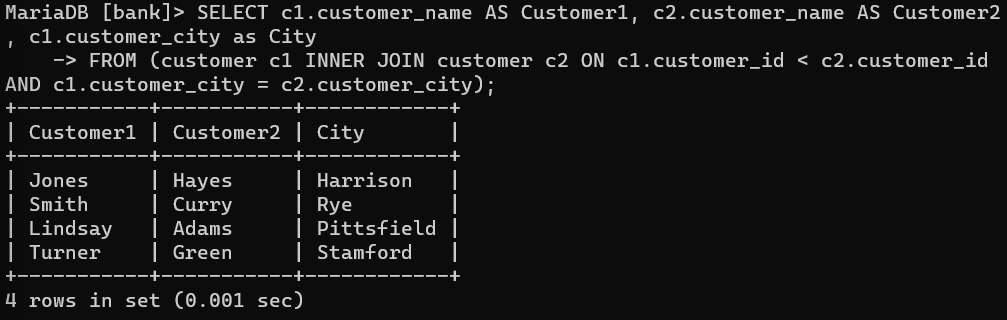
-> FROM ((customer c INNER JOIN borrower b ON c.customer\_id=b.customer\_id) INNER JOIN loan l ON b.loan\_number=l.loan\_number)

-> WHERE l.branch\_name="Downtown";



**TASK 2:** SELECT c1.customer\_name AS Customer1, c2.customer\_name AS Customer2, c1.customer\_city as City

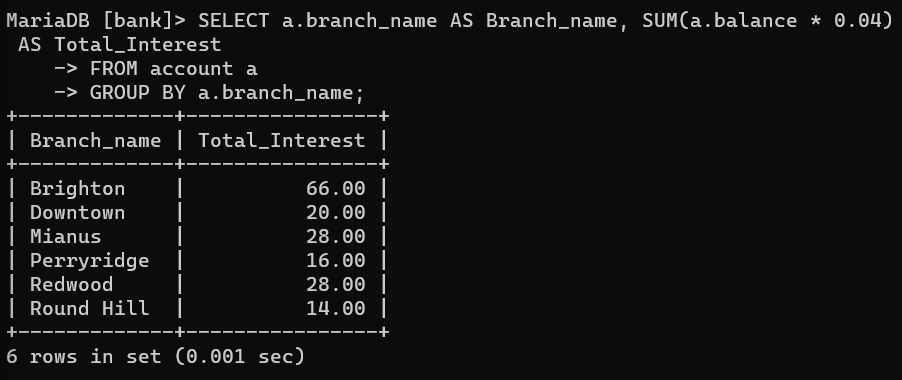
-> FROM (customer c1 INNER JOIN customer c2 ON c1.customer\_id < c2.customer\_id AND c1.customer\_city = c2.customer\_city);



**TASK 3:**  SELECT a.branch\_name AS Branch\_name, SUM(a.balance \* 0.04) AS Total\_Interest

-> FROM account a

-> GROUP BY a.branch\_name;



**TASK 4:** SELECT c.customer\_city AS City, a.account\_number AS Account\_Number, a.balance AS Highest\_Balance

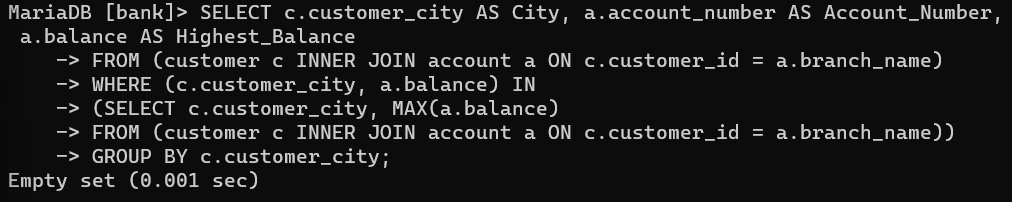
-> FROM (customer c INNER JOIN account a ON c.customer\_id = a.branch\_name)

-> WHERE (c.customer\_city, a.balance) IN

-> (SELECT c.customer\_city, MAX(a.balance)

-> FROM (customer c INNER JOIN account a ON c.customer\_id = a.branch\_name))

-> GROUP BY c.customer\_city;



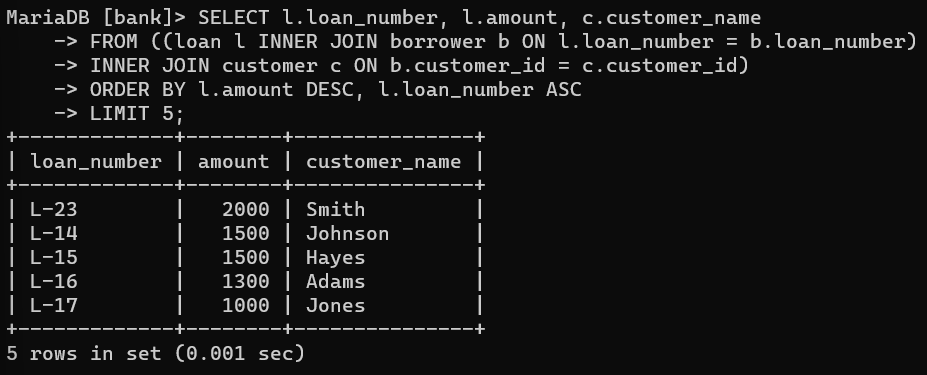
**TASK 5:** SELECT l.loan\_number, l.amount, c.customer\_name

-> FROM ((loan l INNER JOIN borrower b ON l.loan\_number = b.loan\_number)

-> INNER JOIN customer c ON b.customer\_id = c.customer\_id)

-> ORDER BY l.amount DESC, l.loan\_number ASC

-> LIMIT 5;



**TASK 6:** SELECT DISTINCT c.customer\_name

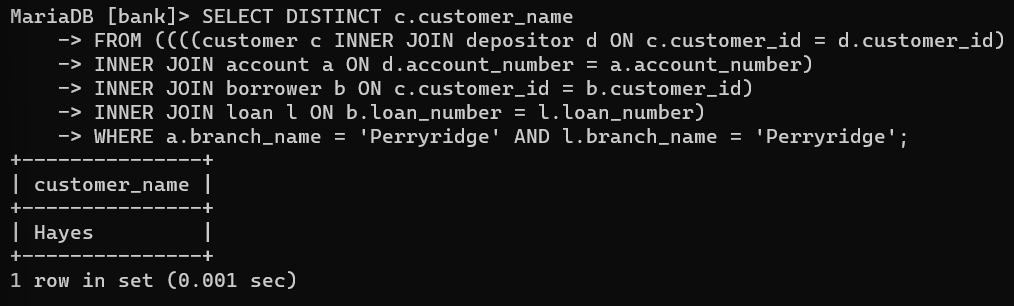
-> FROM ((((customer c INNER JOIN depositor d ON c.customer\_id = d.customer\_id)

-> INNER JOIN account a ON d.account\_number = a.account\_number)

-> INNER JOIN borrower b ON c.customer\_id = b.customer\_id)

-> INNER JOIN loan l ON b.loan\_number = l.loan\_number)

-> WHERE a.branch\_name = 'Perryridge' AND l.branch\_name = 'Perryridge';



**TASK 7:** SELECT c.customer\_name, SUM(l.amount) AS total\_loan

-> FROM ((customer c INNER JOIN borrower b ON c.customer\_id = b.customer\_id)

-> INNER JOIN loan l ON b.loan\_number = l.loan\_number)

-> GROUP BY c.customer\_id

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

