CSE370 : Database Systems

Assignment 03 | Fall 2024

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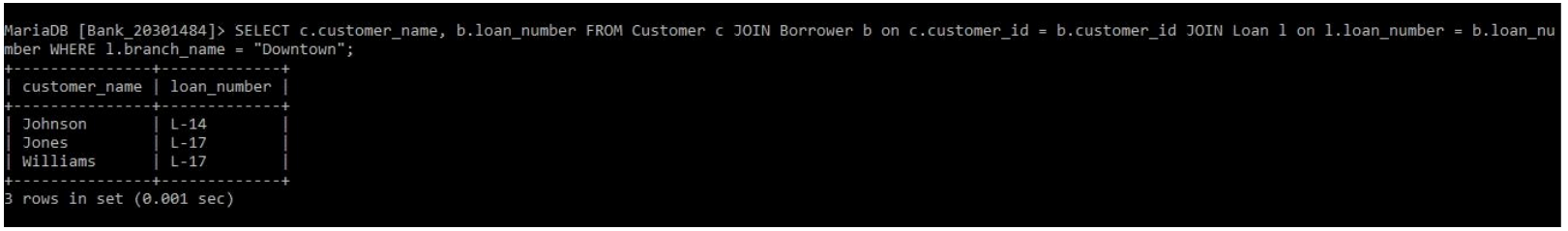
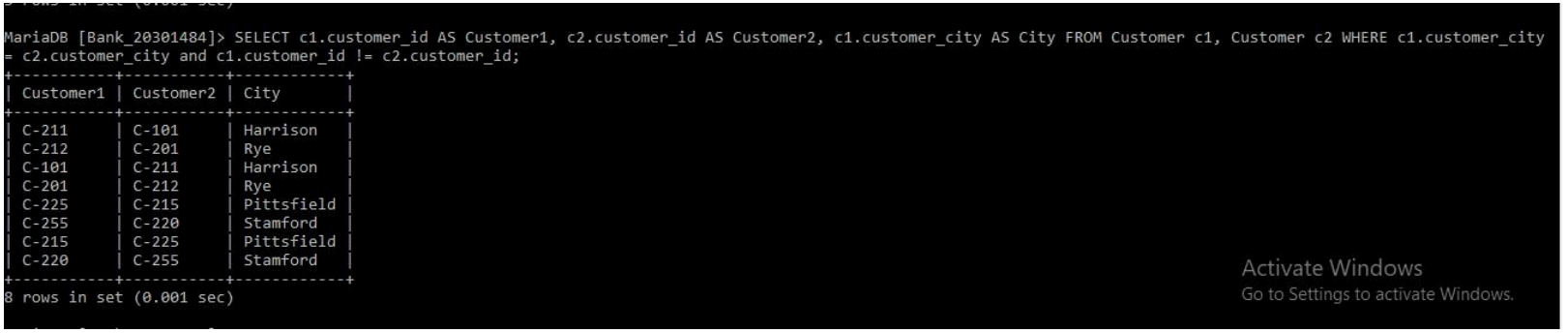
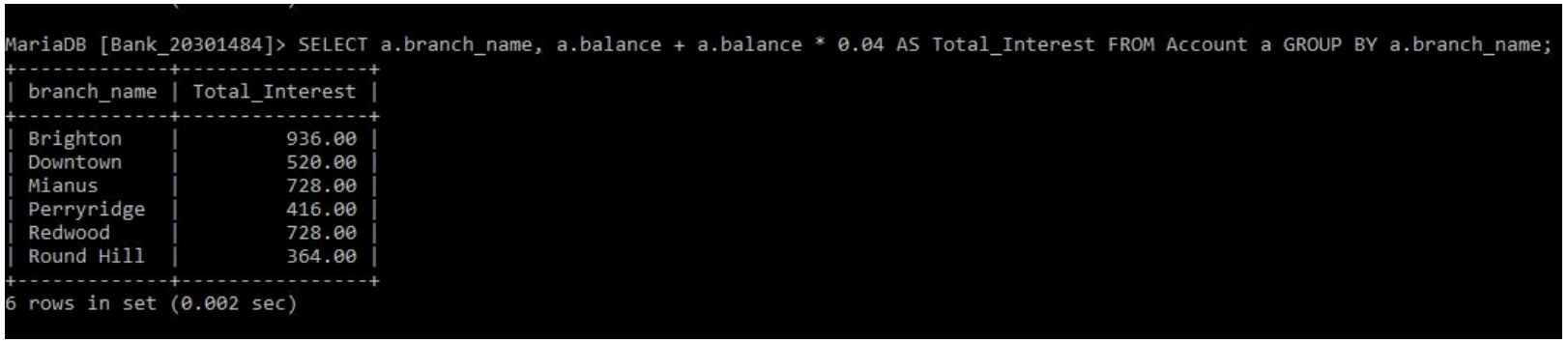
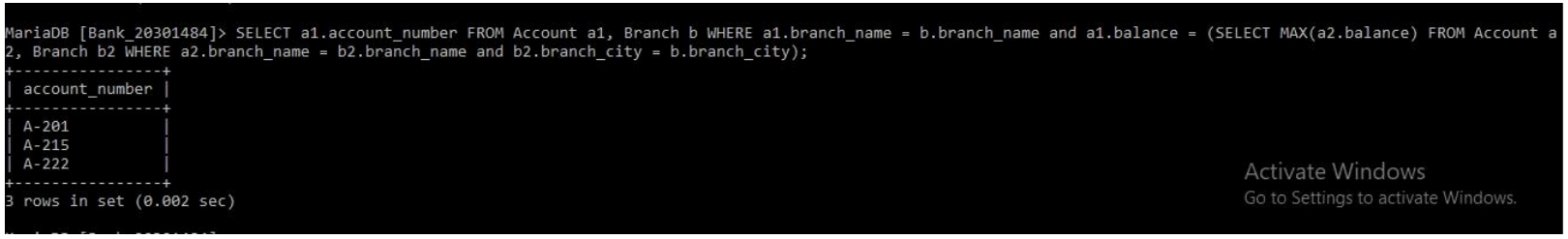
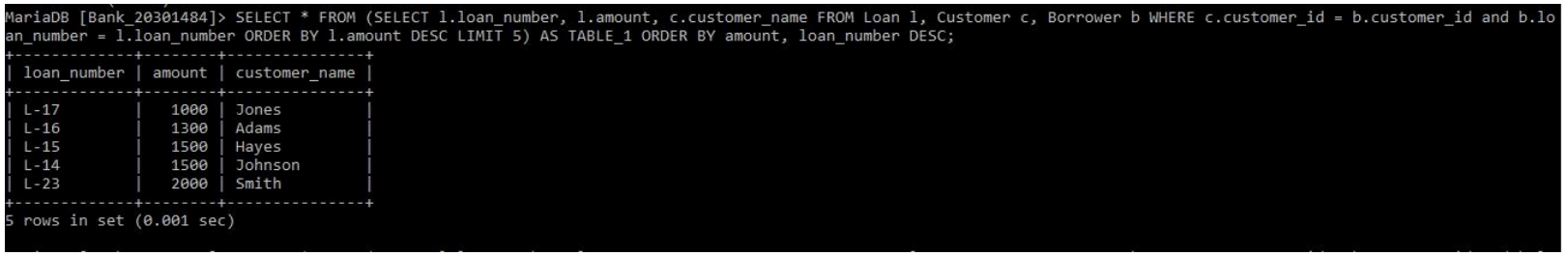
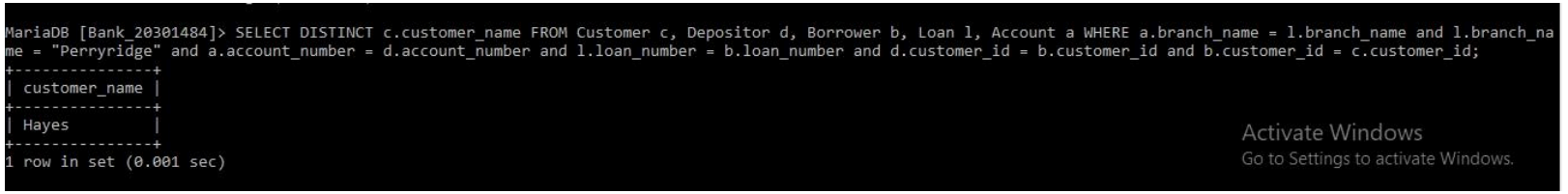
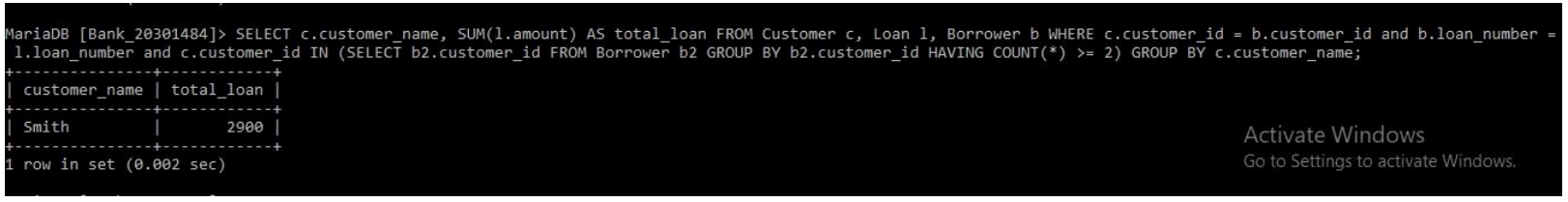
No 1 Query (as Plain Text)	SELECT c.customer_name, b.loan_number FROM Customer c JOIN Borrower b on c.customer_id = b.customer_id JOIN Loan l on l.loan_number = b.loan_number WHERE l.branch_name = "Downtown";
No 1 SS (of Query & Output in Shell)	
No 2 Query (as Plain Text)	SELECT c1.customer_id AS Customer1, c2.customer_id 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;
No 2 SS (of Query & Output in Shell)	
No 3 Query (as Plain Text)	SELECT a.branch_name, a.balance + a.balance * 0.04 AS Total_Interest FROM Account a GROUP BY a.branch_name;

No 3 SS (of Query & Output in Shell)	
No 4 Query (as Plain Text)	SELECT a1.account_number FROM Account a1, Branch b WHERE a1.branch_name = b.branch_name and a1.balance = (SELECT MAX(a2.balance) FROM Account a2, Branch b2 WHERE a2.branch_name = b2.branch_name and b2.branch_city = b.branch_city);
No 4 SS (of Query & Output in Shell)	
No 5 Query (as Plain Text)	SELECT * FROM (SELECT l.loan_number, l.amount, c.customer_name FROM Loan l, Customer c, Borrower b WHERE c.customer_id = b.customer_id and b.loan_number = l.loan_number ORDER BY l.amount DESC LIMIT 5) AS TABLE_1 ORDER BY amount, loan_number DESC;

No 5 SS (of Query & Output in Shell)	
No 6 Query (as Plain Text)	SELECT DISTINCT c.customer_name FROM Customer c, Depositor d, Borrower b, Loan l, Account a WHERE a.branch_name = l.branch_name and l.branch_name = "Perryridge" and a.account_number = d.account_number and l.loan_number = b.loan_number and d.customer_id = b.customer_id and b.customer_id = c.customer_id;
No 6 SS (of Query & Output in Shell)	
No 7 Query (as Plain Text)	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 and c.customer_id IN (SELECT b2.customer_id FROM Borrower b2 GROUP BY b2.customer_id HAVING COUNT(*) >= 2) GROUP BY c.customer_name;
No 7 SS (of Query & Output in Shell)