CSE370 : Database Systems

Assignment 03 | Fall 2024

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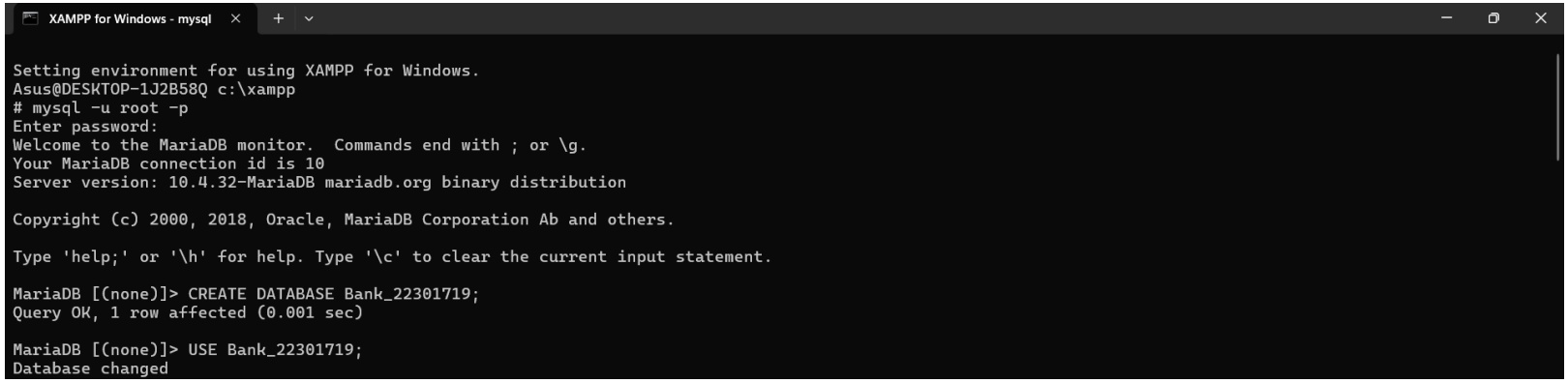
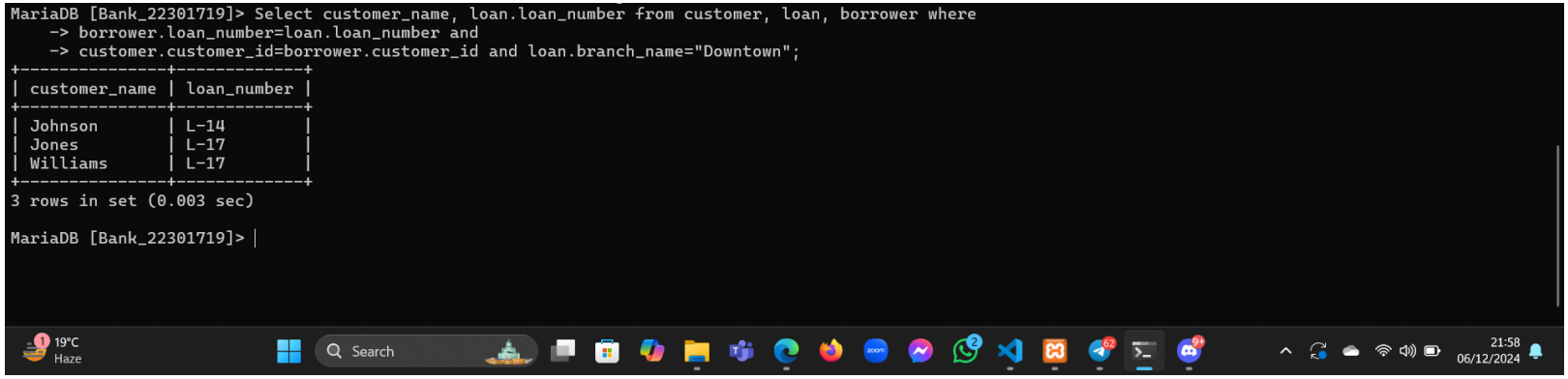
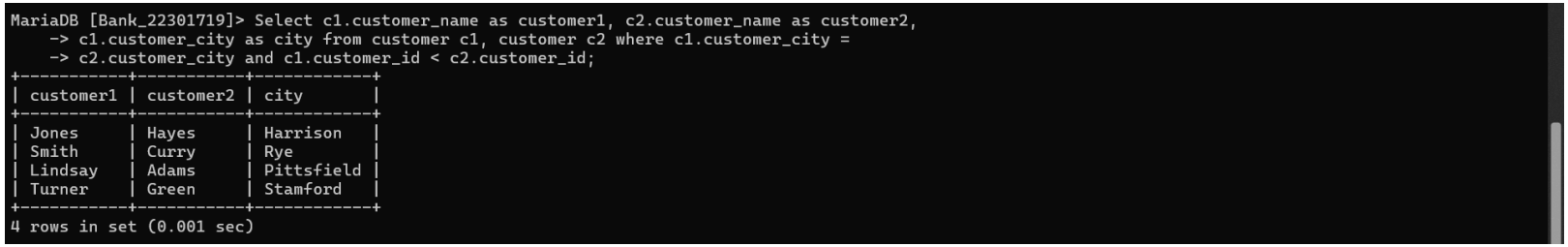
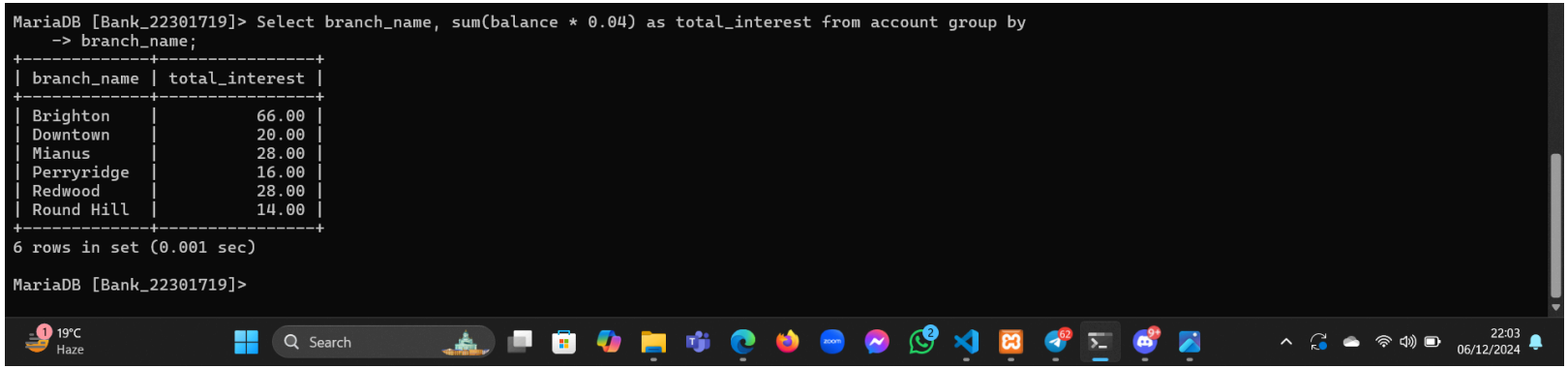
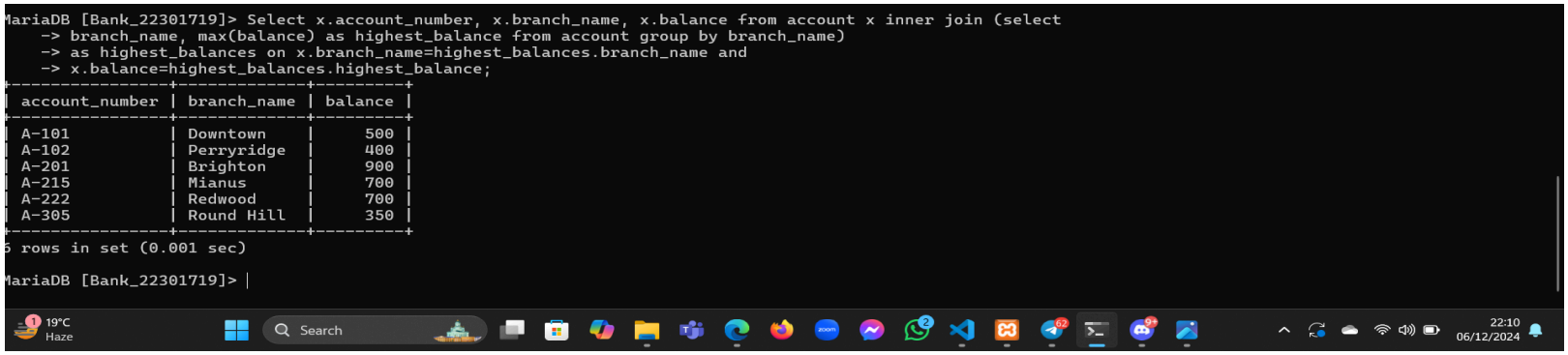
Table	
No 1 Query (as Plain Text)	Select customer_name, loan.loan_number from customer, loan, borrower where borrower.loan_number=loan.loan_number and customer.customer_id=borrower.customer_id and loan.branch_name="Downtown";
No 1 SS (of Query & Output in Shell)	

No 2 Query (as Plain Text)	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;
No 2 SS (of Query & Output in Shell)	
No 3 Query (as Plain Text)	Select branch_name, sum(balance * 0.04) as total_interest from account group by branch_name;
No 3 SS (of Query & Output in Shell)	
No 4 Query (as Plain Text)	Select x.account_number, x.branch_name, x.balance from account x inner join (select branch_name, max(balance) as highest_balance from account group by branch_name) as highest_balances on x.branch_name=highest_balances.branch_name and x.balance=highest_balances.highest_balance;

No 4 SS (of Query & Output in Shell)	
No 5 Query (as Plain Text)	SELECT loan.loan_number, loan.amount, customer.customer_name FROM loan JOIN borrower ON loan.loan_number = borrower.loan_number JOIN customer ON borrower.customer_id = customer.customer_id ORDER BY loan.amount ASC, loan.loan_number DESC LIMIT 5;
No 5 SS (of Query & Output in Shell)	
No 6 Query (as Plain Text)	SELECT customer_name FROM customer JOIN depositor USING (customer_id) JOIN account USING (account_number)

	JOIN borrower USING (customer_id) JOIN loan USING (loan_number) WHERE account.branch_name='Perryridge' AND loan.branch_name='Perryridge';
No 6 SS (of Query & Output in Shell)	
No 7 Query (as Plain Text)	SELECT customer.customer_name, SUM(loan.amount) AS total_loan FROM customer JOIN borrower USING (customer_id) JOIN loan USING (loan_number) GROUP BY customer.customer_id HAVING COUNT(loan.loan_number) >= 2;
No 7 SS (of Query & Output in Shell)