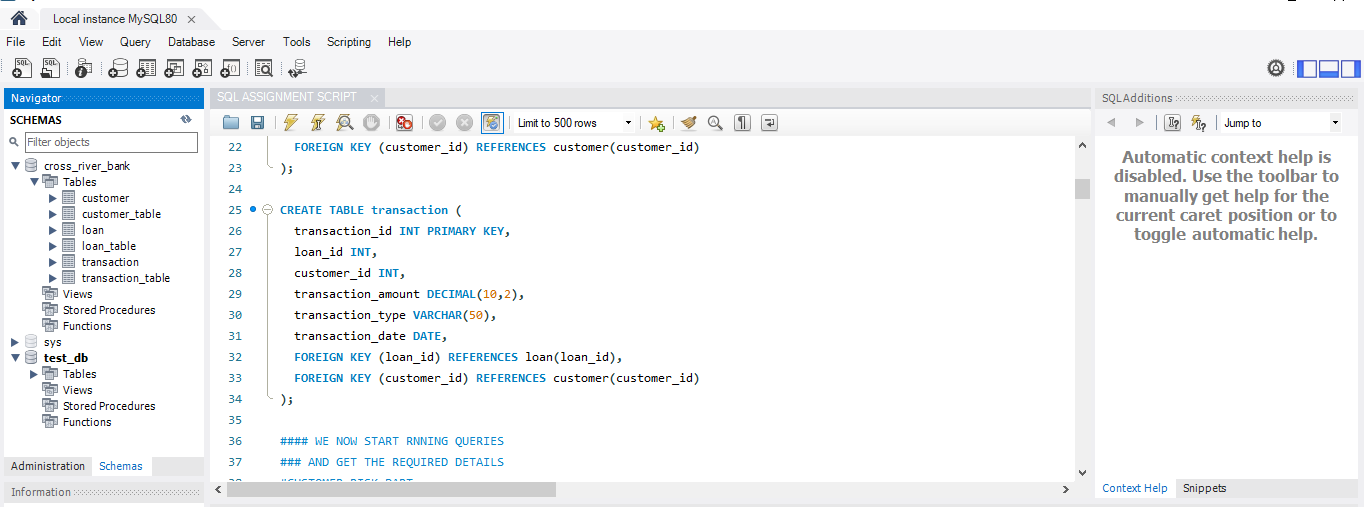
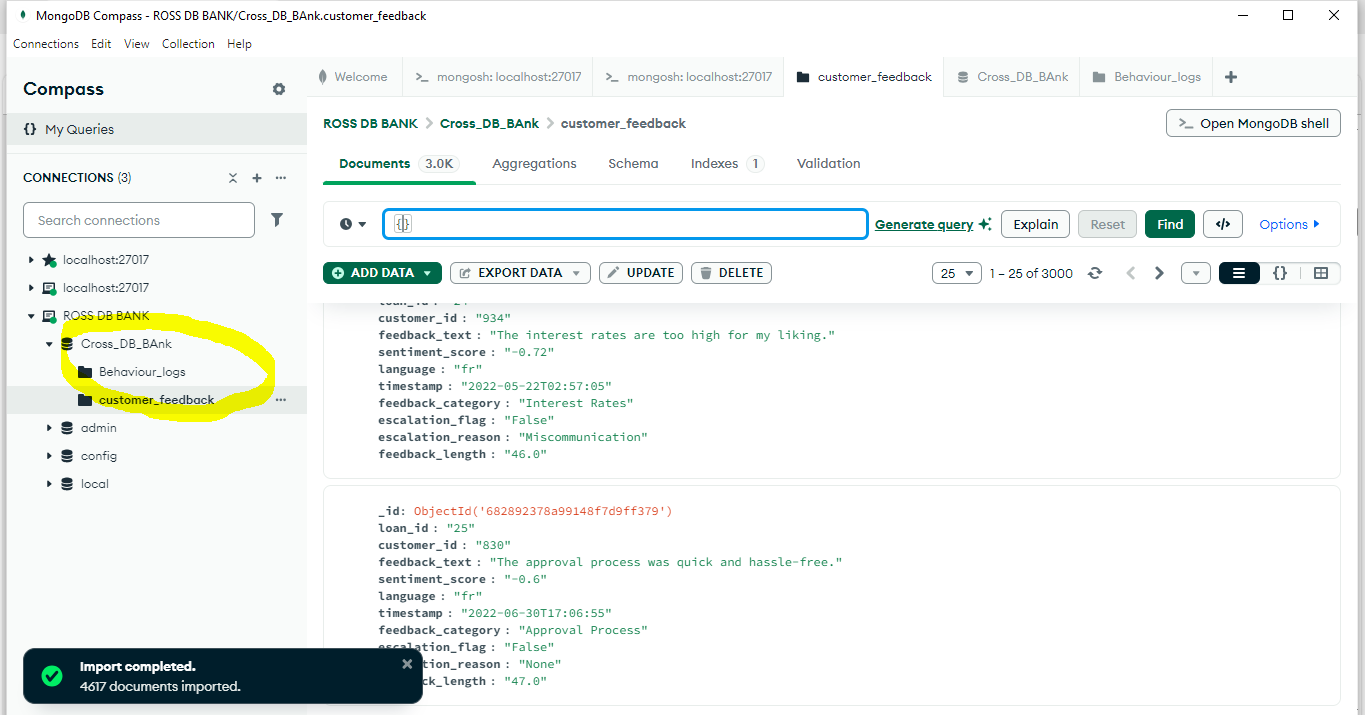
MYSQL ASSIGNMENT

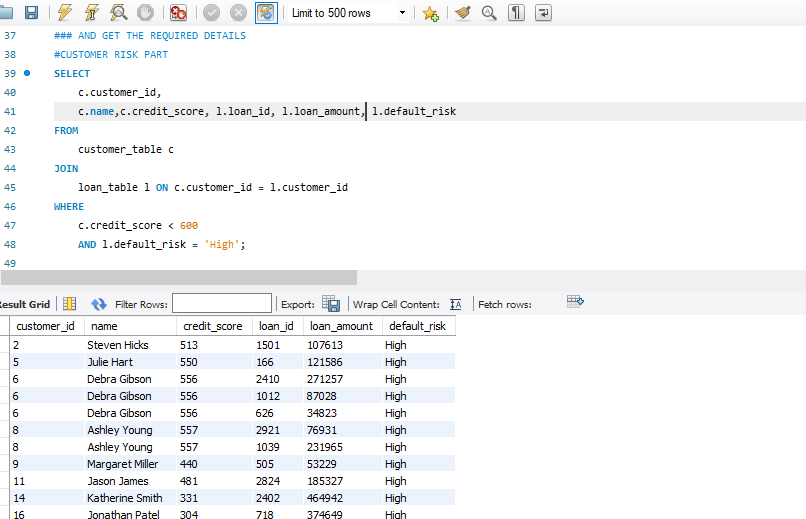
Tables Created here

The tables were manually uploaded- the tables are customertable, loan\_table and transaction\_table- in cross river bank db

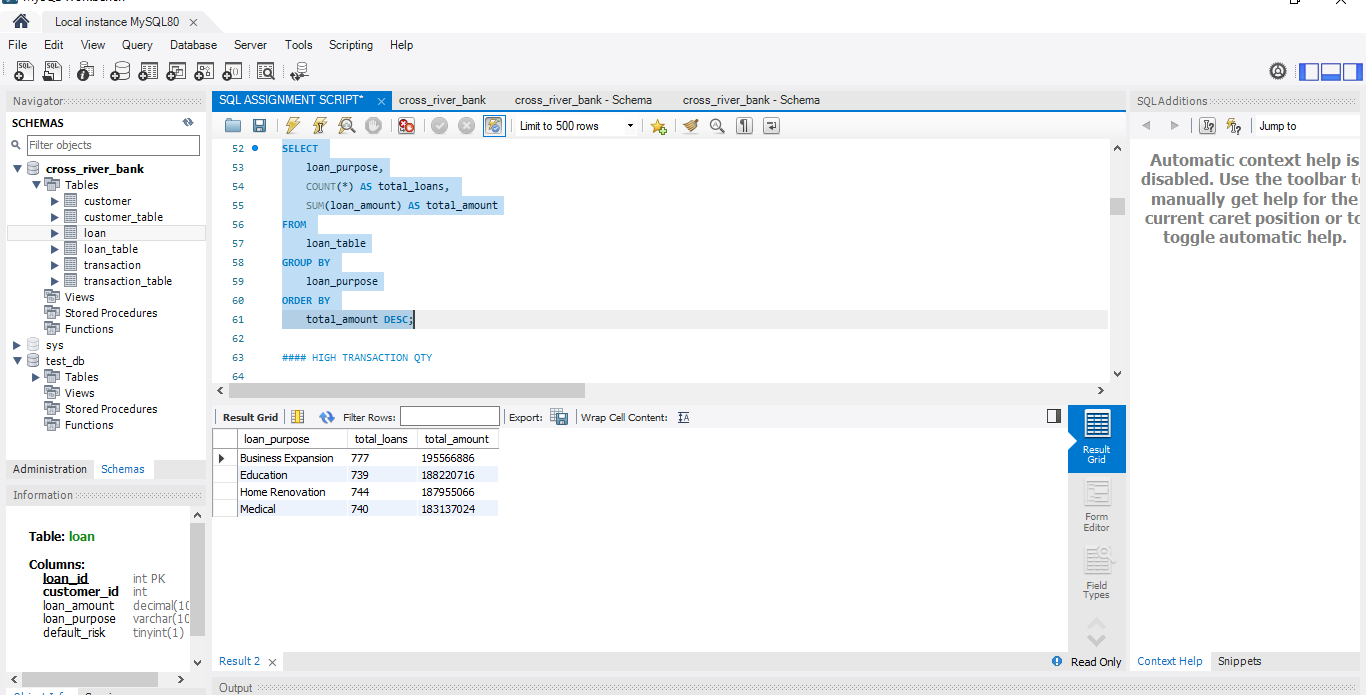
In Mongo DB The databases are created as follows



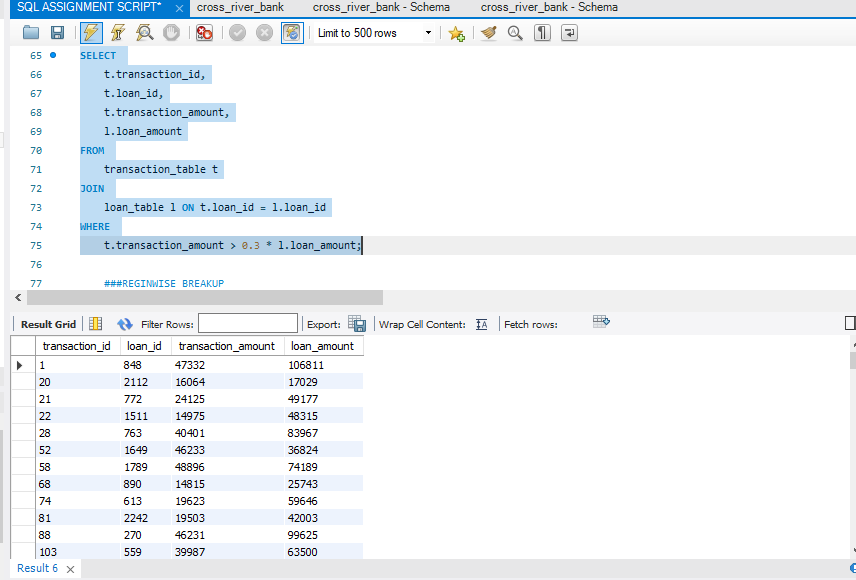
1. Customer Risk Analysis: Identify customers with low credit scores and high-risk loans to predict potential defaults and prioritize risk mitigation strategies. BASIC



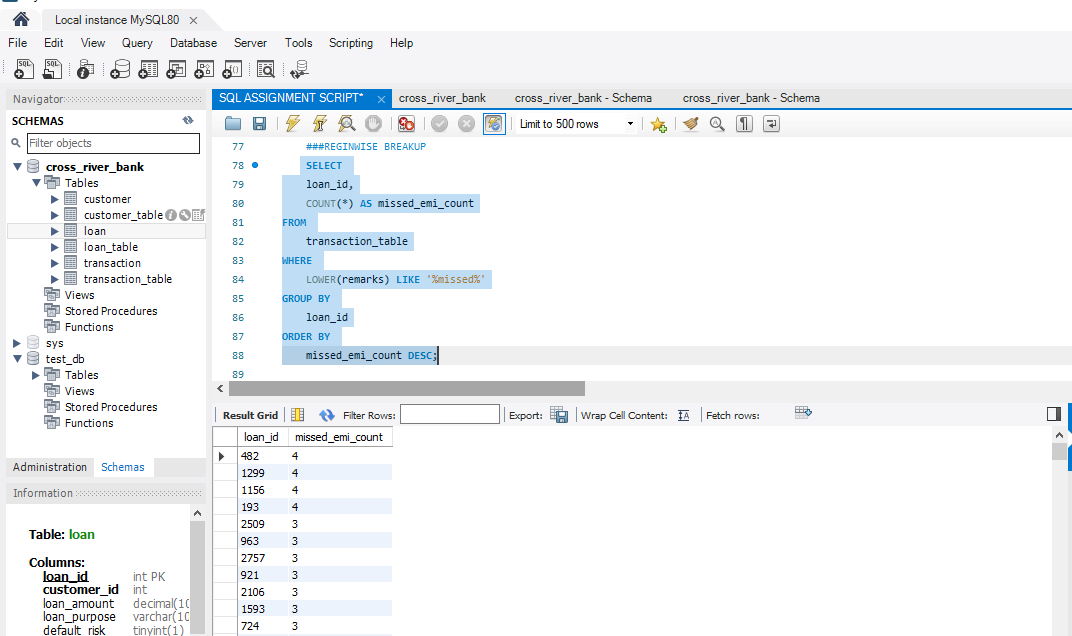
1. Loan Purpose Insights: Determine the most popular loan purposes and their associated revenues to align financial products with customer demands. BASIC



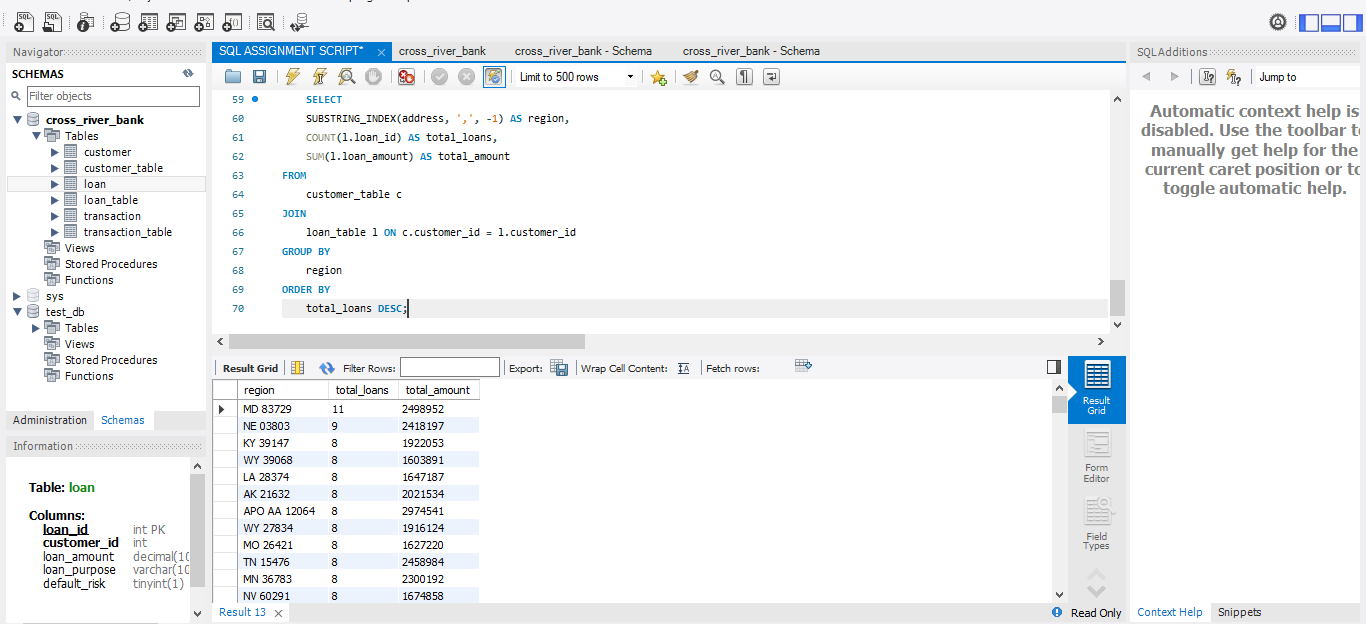
1. High-Value Transactions: Detect transactions that exceed 30% of their respective loan amounts to flag potential fraudulent activities. BASIC



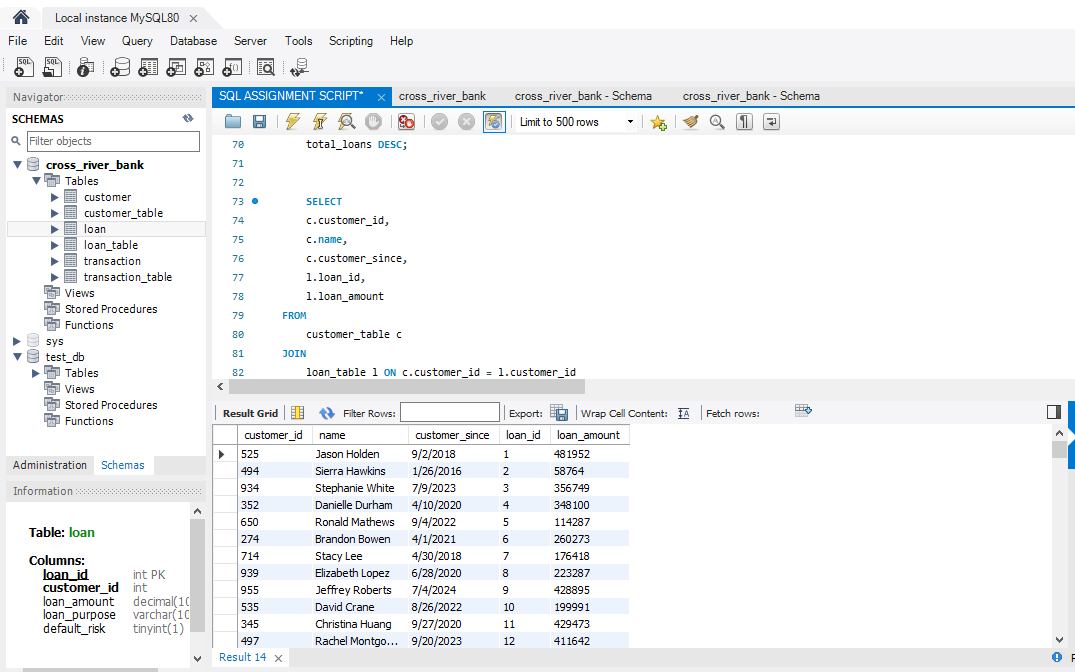
● Missed EMI Count: Analyze the number of missed EMIs per loan to identify loans at risk of default and suggest intervention strategies. BASIC



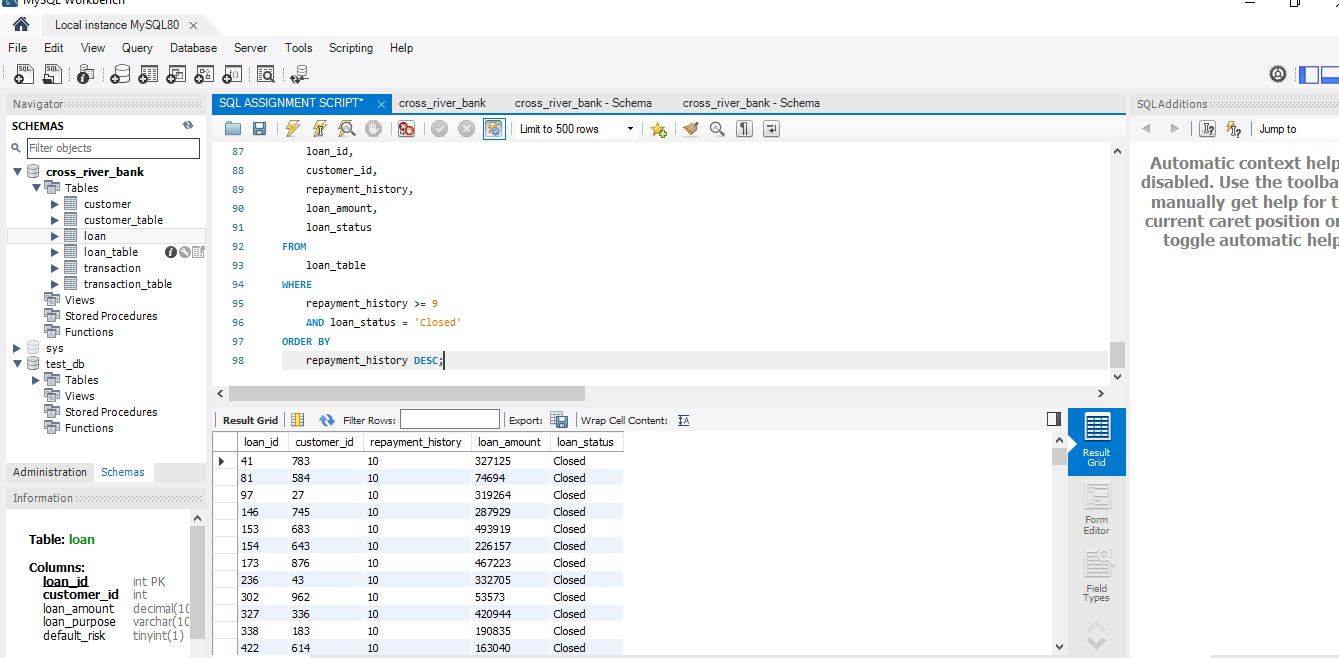
Regional Loan Distribution: Examine the geographical distribution of loan disbursements to assess regional trends and business opportunities. INTERMEDIATE



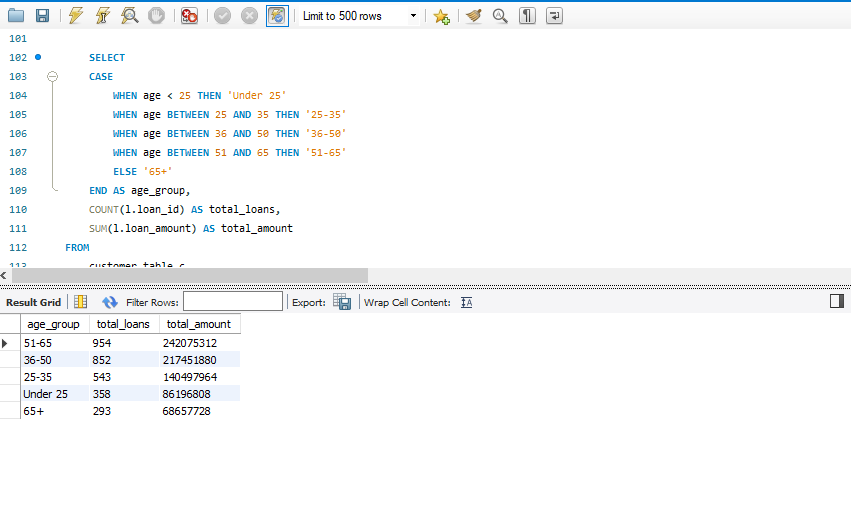
● Loyal Customers: List customers who have been associated with Cross River Bank for over five years and evaluate their loan activity to design loyalty programs. INTERMEDIATE



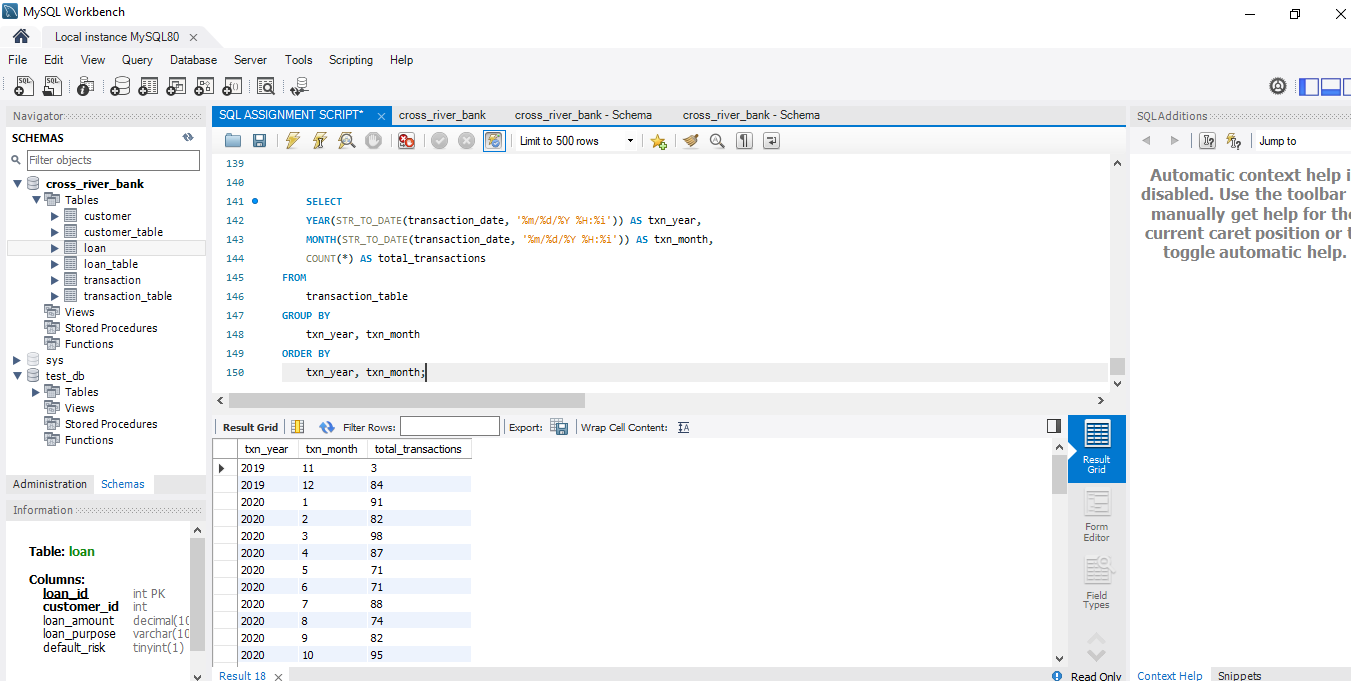
High-Performing Loans: Identify loans with excellent repayment histories to refine lending policies and highlight successful products. INTERMEDIATE



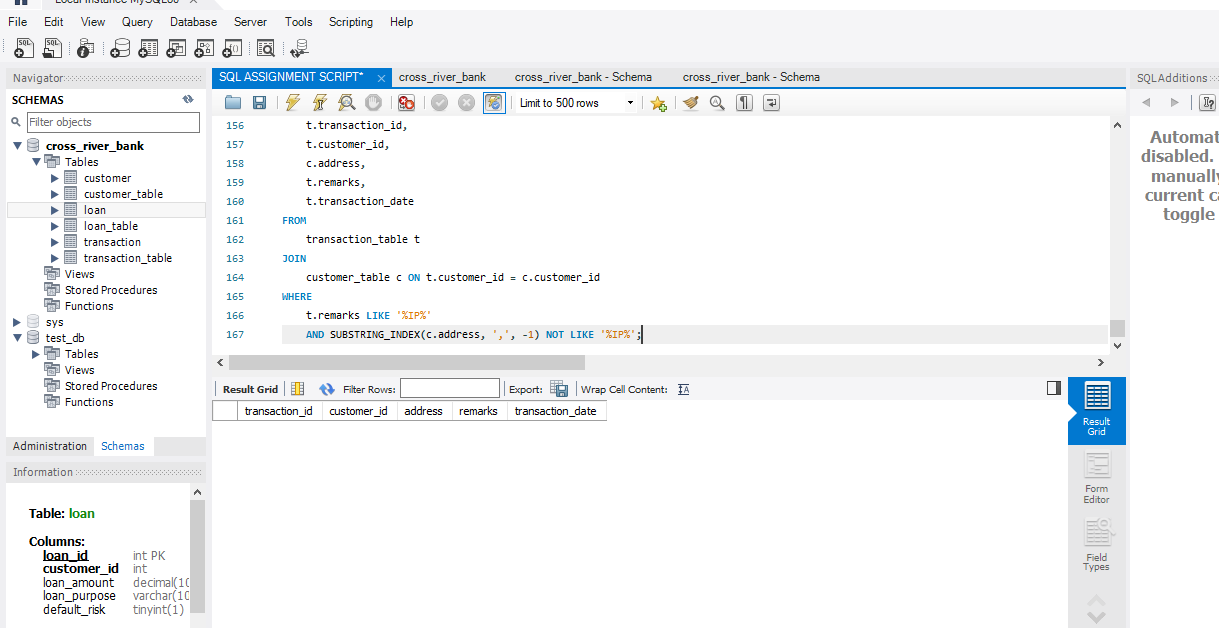
Age-Based Loan Analysis: Analyze loan amounts disbursed to customers of different age groups to design targeted financial products. INTERMEDIATE



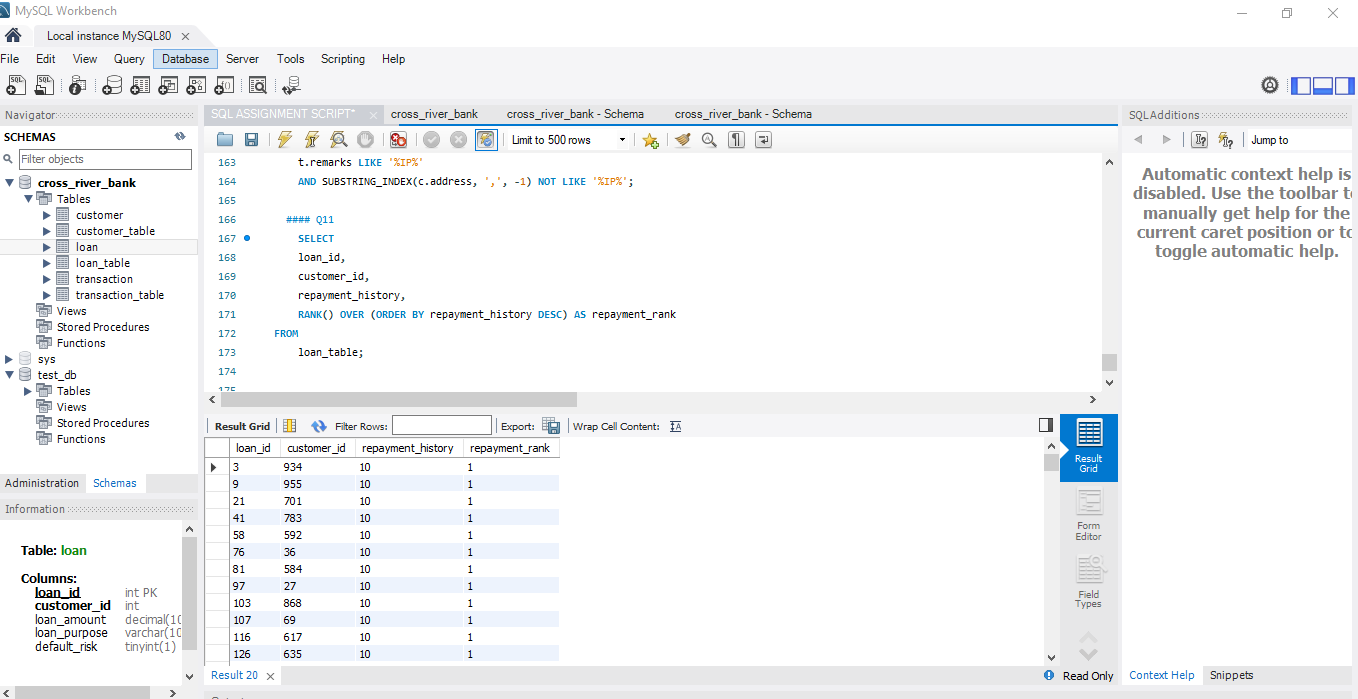
Seasonal Transaction Trends: Examine transaction patterns over years and months to identify seasonal trends in loan repayments. Advanced



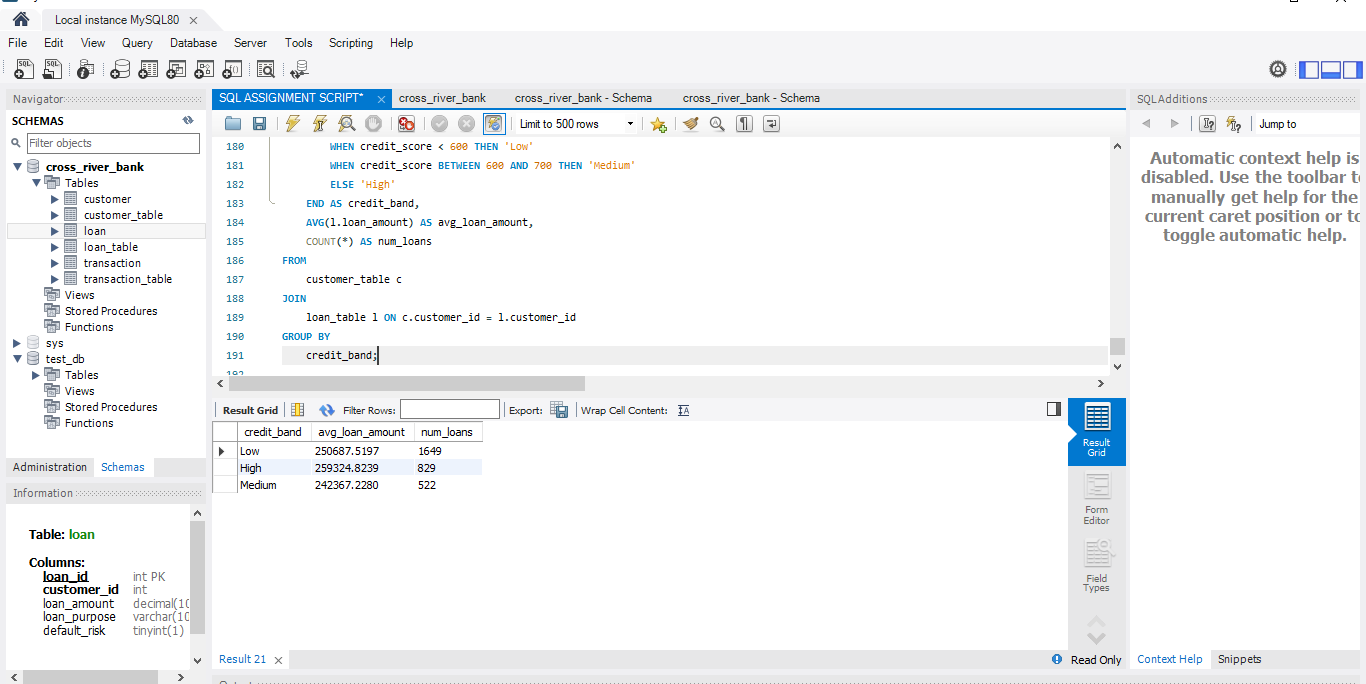
Fraud Detection: Highlight potential fraud by identifying mismatches between customer address locations and transaction IP locations. Advanced



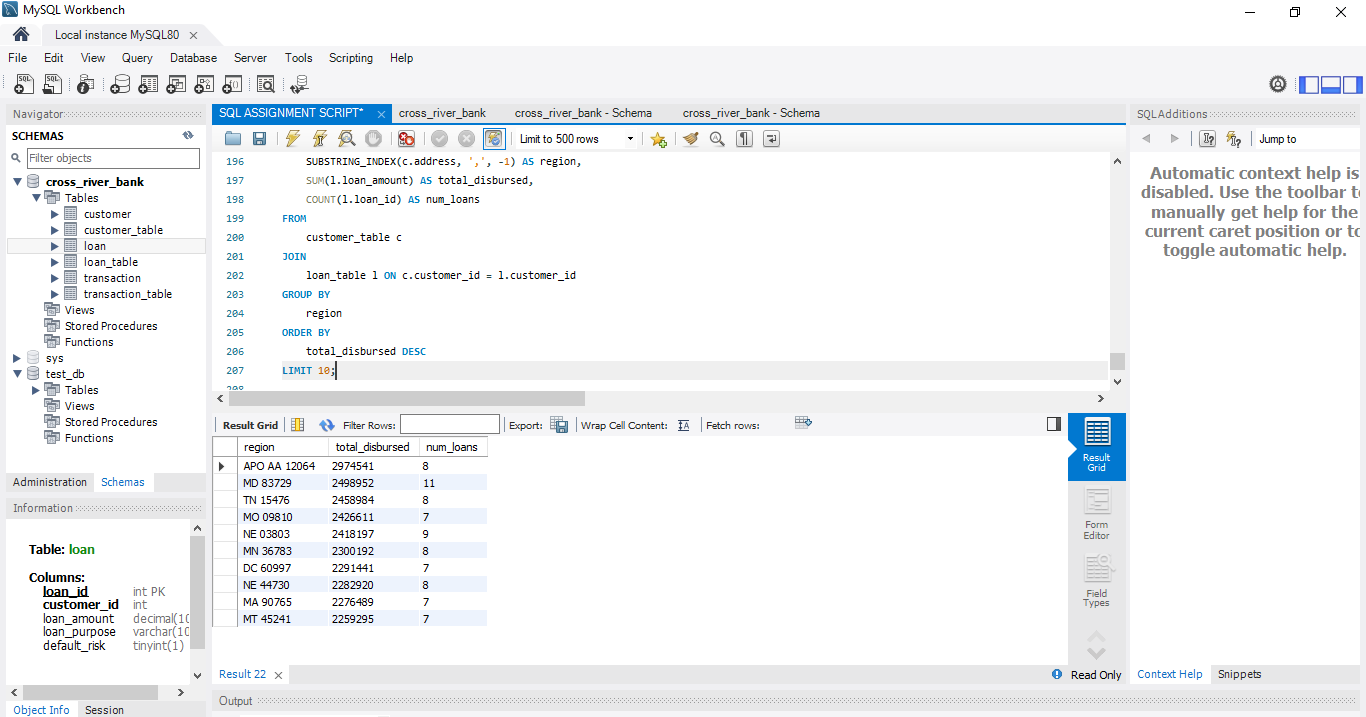
Repayment History Analysis: Rank loans by repayment performance using window functions. Advanced



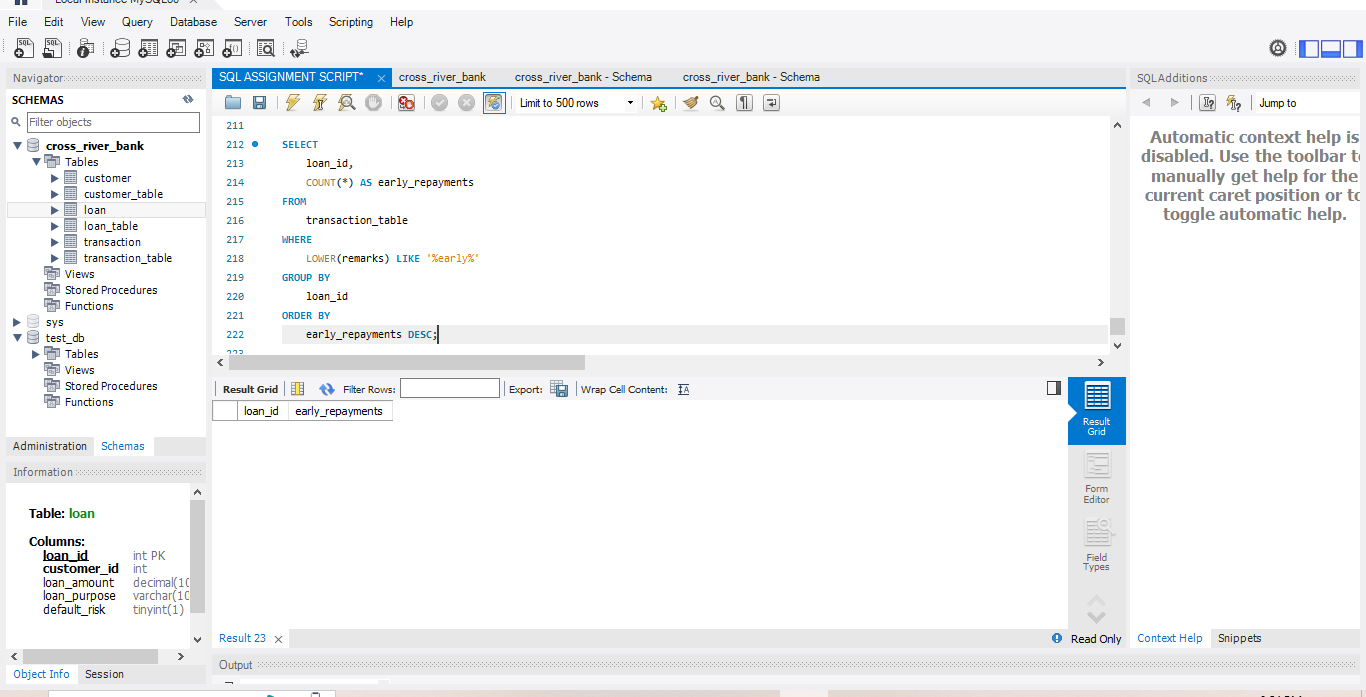
Credit Score vs. Loan Amount: Compare average loan amounts for different credit score ranges. Advanced



Top Borrowing Regions: Identify regions with the highest total loan disbursements. Advanced



Early Repayment Patterns: Detect loans with frequent early repayments and their impact on revenue. Advanced



MongoDB Questions

