

## Department of Computer Science and Engineering

Course Code: CSE 370	Credits: 3.0
Course Name: Database Systems	Semester: Spring 2025

### Lab Assignment 3

You will use a database called **Bank\_<Your8DigitStudentID>**.

Data for the **Bank\_<Your8DigitStudentID>** database is available here :

[https://docs.google.com/document/d/1eAxCSgxBsF1a0Gtwgq9hTGj7mtRtYRjwoHzf\\_fgwow/](https://docs.google.com/document/d/1eAxCSgxBsF1a0Gtwgq9hTGj7mtRtYRjwoHzf_fgwow/)

Using the bank database, write MySQL queries for the following tasks:

1. Find the name and loan number of all customers having a loan at the Downtown branch. [2]
2. Find all the possible pairs of customers who are from the same city. show in the format Customer1, Customer2, City. [2]
3. If the bank gives out 4% interest to all accounts, show the total interest across each branch. Print Branch\_name, Total\_Interest [2]
4. Find account numbers with the highest balances for each city in the database [2]
5. Show the loan number, loan amount, and name of customers with the top 5 highest loan amounts. The data should be sorted by increasing amounts, then decreasing loan numbers in case of the same loan amount. [Hint for top 5: Check the "limit" keyword in mysql] [2]
6. Find the names of customers with an account and also a loan at the Perryridge branch. [2]
7. Find the total loan amount of all customers having at least 2 loans from the bank. Show in format customer name, total\_loan. [2]