COSC 3337: DATABASE THEORY
Homework 5: due on Wed. 4/29/2020 at 11:59 pm
Remaining late days may be used in this assignment if needed.
Check "Late Days" policy in syllabus for more details.

Consider the following relational database schema:

> ***Branch (<u>branchID</u>, branchName, BranchCity, assets)***
> ***Customer (<u>customerID</u>, customerName, customerStreet, customerCity)***
> ***Loan (<u>loanNumber</u>, branchID, amount)***
> ***Borrower (<u>customerID, loanNumber</u>)***
> ***Account (<u>accountNumber</u>, branchID, balance)***
> ***Depositor (<u>customerID, accountNumber</u>)***

Part 1: Write the SQL CREATE statements to create the above tables.

Part 2: Write the SQL INSERT statements to insert 5 records in each table.

Part 2: Write the SQL queries that answer the following questions:

a) Find the names of all branches located in "Chicago".

b) Find all loan numbers with a loan value greater than $10,000.

c) Find the names of all depositors who have an account with a value > $6,000.

d) Find the names of all borrowers who have a loan in branch "Downtown".

e) Find the names of all depositors who have an account with a value greater than $6,000 at the "Uptown" branch.

Submission Guidelines:

1- Your solutions for parts 1,2, and 3 should be submitted in one pdf file through Canvas. Email or paper submissions will not be accepted.
2- Remember that no handwritten solutions will be accepted.
3- Make sure your submission filename is of the format "HW05-*FirstnameLastname*.pdf".

Always let me know if you have any questions or need more clarification on the assignment or submission instructions.

Good Luck ☺