University of Ghana

College of Basic and Applied Sciences

School of Engineering Sciences

1st Semester (2021/2022)

CPEN 201: C++ Programming

Lab 7(Lab Quiz)

Given: Monday, November 18, 2019   Due: Saturday, November 9, 2019 11:59pm

Classes and Data Abstraction

Define the class bankAccount as an ADT to implement the basic properties of a bank account. An object of this class should store the following data:
Account holder's name (string), account number (int), account type (string, checking/saving), balance (double), and interest rate (double). (Store interest rate as a decimal number.) Add appropriate member functions to manipulate an object (they should include a function to check balance, withdraw, deposit and transfer to other accounts). Use a static member in the class to automatically assign account numbers. Also declare an array of 10 components of type bankAccount to process

up to 10 customers and write a program to illustrate how to use your class. Include a constructor and destructor in your program