

Object Oriented Programming

Lab Task#08

Note:

- Copied task will be awarded zero marks.
- Note that these lab task marks could be graded through a viva in lab.
- Submit the .cpp file for each task in google classroom and rename it with your roll no and name.
For example: Ali_Ahmed_22p9023_task1.cpp.
- Lab Tasks will be graded in Lab.

Task:

Define the class bankAccount to store a bank customer's account number and balance. Suppose that account number is of type int, and balance is of type double. Your class should, at least, provide the following operations:

- set the account number,
- retrieve the account number,
- retrieve the balance,
- deposit and withdraw money,
- and print account information.
- Add appropriate constructors.

Every bank offers a savings account. Derive the class savingsAccount from the class bankAccount. This class inherits members to store the account number and the balance from the base class. A customer with a savings account typically receives interest, makes deposits, and withdraws money. In addition to the operations inherited from the base class, this class should provide the following operations:

- set interest rate,
- retrieve interest rate,
- post interest,
- withdraw (override the method of the base class),
- and print account information.
- Add appropriate constructors.

Write a program in main to test your classes.