

Assignments for JAVA (MCA 2nd Sem)

A1 : Implement a calculator that can perform some basic operations like add, subtract, multiply and division, etc. Use an interface that has abstract functions for the basic operations (add, subtract, multiply and division, etc.)

A2 : Create an abstract class Accounts with the following details:

Data Members:

(a) Balance (b) accountNumber (c) accountHoldersName (d) address

Methods:

(a) withdrawl()- abstract

(b) deposit()- abstract

(c) display() to show the balance of the account number

Create a subclass of this class SavingsAccount and add the following details:

Data Members:

(a) rateOfInterest

Methods:

(a) calculateAmount()

A3 : Create a new file in java. Perform the below-given operations on the created file.

1. Find the name and path of the file.
2. Set and check the owner's write permission on the file.
3. Find the last accessed time, size, and location of the file.
4. Delete the newly created file.

A4 : Write a program to input the name, subject, and marks of a student. The program throw a user-defined exception "NotPassed" if the entered marks are less than 40.

A5 : Design a form using AWT components and Frame container.