

Write a class named by Account. It should have account number and AccOwnerName.

Write two classes named by SavingsAccount and SalaryAccount which inherits BankAccount class.

SavingsAccount class have interestRate and a method that calculates interest. Also total balance of this account which adds the interest with balance. SavingsAccount has deposit and withdraw methods to deposit an amount or to withdraw an amount. Write a display Information method to show Current balance, deposited amount, balance after deposit or withdrawal of amount, total interest and balance with interest.

SalaryAccount class have interestRate, SalaryAmount and balance as instance variable. It also calculates total interest and calculate balance. A fixed salary is deposited each month. You should display monthly balance in this method as well.

Main method in Start.java and output of the code are given below, you cannot change this.

Class Name	Account	SavingsAccount	SalaryAccount
Variable:	acc_no, AccOwnerName	interestRate; balance	
Constructor:	Account(.....)	SavingsAccount(.....)	SalaryAccount(.....)
Methods:	getAccNo() getAccountHolderName() setAccNo() setAccountHolderName()	setInterestRate() getInterestRate() getBalance() calcInterest() calcBalance() deposit() withdraw() showDetails()	setSalary() setInterestRate() getInterestRate() getBalance() calcInterest() calcBalance() deposit() withdraw() showDetails()

Below is the Start.java code which contains main method, you cannot change this:

```

public class Start
{
    public static void main(String args[])
    {
        SavingsAccount a2 = new SavingsAccount("SA111", "BBA_AIUB", 0.05,3500.0);
        a2.showDetails();

        //Deposit 5000.0 tk to Savings Account
        a2. deposit(5000.0);
        System.out.println("Balance of Savings Account after deposit: "+a2.getBalance());

        a2.withdraw(3000.0);
        System.out.println("Balance of SavingsAccount after withdraw: "+a2.getBalance());

        SalaryAccount a1 = new SalaryAccount("SA222", "CS_AIUB", 0.03,5000.0);
        a1.showDetails();

        //Deposit 5000.0 tk to Savings Account
        a1. deposit(3000.0);
        System.out.println("Balance of Savings Account after deposit: "+a1.getBalance());

        a1.withdraw(1500.0);
        System.out.println("Balance of SavingsAccount after withdraw: "+a1.getBalance());

        a1.setSalary(25000.0);
        System.out.println("Balance of SavingsAccount after Salary deposit: "+a1.calcBalance());

    }
}

```

Output Code:

```

Account Number: SA111
Account Holder Name: BBA_AIUB
Balance: 3500.0
Total Interest: 175.0
Interest Rate: 3675.0
Balance of Savings Account after deposit: 8675.0
Balance of SavingsAccount after withdraw: 5675.0
Account Number: SA222
Account Holder Name: CS_AIUB
Balance: 5000.0
Total Interest: 150.0
Interest Rate: 5150.0
Balance of Savings Account after deposit: 8150.0
Balance of SavingsAccount after withdraw: 6650.0
Balance of SavingsAccount after withdraw: 31849.5

```