//BankAccount.java

package ClassWork;

public class BankAccount {

private int account;

private String owner;

private double balance;

private static double fee = 4.00;

//default constructor

public BankAccount(){

account = 0;

owner = "Bob";

balance = 0;

}

//set & get for each field

public void setAccount(int account){

this.account = account;

}

public int getAccount(){

return account;

}

public void setOwner(String owner){

this.owner = owner;

}

public String getOwner(){

return owner;

}

public void setBalance(double balance){

this.balance = balance;

}

public double getBalance(){

return balance;

}

//'deduct monthly fee' method

public void deductMonthlyFee(){

balance = balance - fee;

}

//'explain account policy' method

public static String explainAccountPolicy(){

return "A $" + fee + " Service Fee Will Be Deducted Each Month From Your Balance";

}

}

//TestBankAccount.java

package ClassWork;

import java.util.Scanner;

public class TestBankAccount {

public static void main(String[] args){

BankAccount one = getData();

BankAccount two = getData();

BankAccount three = getData();

BankAccount default = new BankAccount();

showValues(one);

showValues(two);

showValues(three);

showValues(default);

}

public static BankAccount getData(){

BankAccount data = new BankAccount();

Scanner keyboard = new Scanner(System.in);

System.out.println("Enter a value for an Account Number: ");

data.setAccount(keyboard.nextInt());

System.out.println("Enter a value for the Account Holder's Name: ");

data.setOwner(keyboard.next());

System.out.println("Enter a value for the Balance on the account: ");

data.setBalance(keyboard.nextDouble());

System.out.println();

return data;

}

public static void showValues(BankAccount value){

System.out.println(value.getAccount());

System.out.println(value.getOwner());

System.out.println(value.getBalance());

value.deductMonthlyFee();

System.out.println(value.getBalance());

System.out.println(value.explainAccountPolicy());

System.out.println();

}

}