import java.util.Scanner;

// Online Java Compiler

// Use this editor to write, compile and run your Java code online

class BankDetails {

Scanner sc = new Scanner(System.in);

public String accno;

private String acc\_password;

private int otp;

public boolean loginSuccess;

public long acc\_balance = 10000;

public void showAccount() {

System.out.println("Name of account holder: CustomerABC");

System.out.println("Account no.: 10001" );

System.out.println("Balance: " +acc\_balance );

}

public void depositAmount() {

long amt;

System.out.println("Enter the amount you want to deposit: ");

amt = sc.nextLong();

acc\_balance = acc\_balance + amt;

}

public void transferAmount() {

long amt;

String rec\_accountNumber;

System.out.println("\nEnter the receiver's account number : ");

rec\_accountNumber = sc.next();

System.out.println("Enter the amount you want to transfer: ");

amt = sc.nextLong();

if (acc\_balance >= amt) {

acc\_balance = acc\_balance - amt;

System.out.println("Balance after transfer: " + acc\_balance);

} else {

System.out.println("Your balance is less than " + amt + "\tTransaction failed...!!" );

}

}

public void withdrawAmount() {

long amt;

System.out.println("Enter the amount you want to withdraw: ");

amt = sc.nextLong();

if (acc\_balance >= amt) {

acc\_balance = acc\_balance - amt;

System.out.println("Balance after withdrawal: " + acc\_balance);

} else {

System.out.println("Your balance is less than " + amt + "\tTransaction failed...!!" );

}

}

public void loginAccount() {

System.out.print("Enter Account No: ");

accno = sc.next();

System.out.print("Enter Password: ");

acc\_password = sc.next();

if(accno.equals("1234" ) && acc\_password.equals("1234")){

System.out.print("\nPassword Verified\n ");

otpVerification();

}

else {

System.out.print("Login fails");

}

}

public boolean otpVerification()

{

System.out.print("\nEnter OTP: \n");

otp = sc.nextInt();

if(otp==1234){

System.out.print("\nLogin Success \n");

loginSuccess = true;

return true;

}

return false;

}

}

public class HelloWorld {

public boolean loginSuccess;

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

BankDetails bd = new BankDetails();

bd.loginAccount();

if(bd.loginSuccess == true)

{

int ch;

do {

System.out.println("\n \*\*\*Banking System Application\*\*\*");

System.out.println(" 1. Display Account Balance \n 2. Transfer Amount\n 3. Deposit the amount \n 4. Withdraw the amount \n 5.Logout ");

System.out.println("Enter your choice: ");

ch = sc.nextInt();

switch (ch) {

case 1:

System.out.print("Account Information ");

bd.showAccount();

break;

case 2:

System.out.print("Money Tranfer ");

bd.transferAmount();

break;

case 3:

System.out.print("Deposit Amount. : ");

bd.depositAmount();

break;

case 4:

System.out.print("Withdraw Amount : ");

bd.withdrawAmount();

break;

case 5:

System.out.println("See you soon...");

break;

}

}

while (ch != 5);

}

}

}