import javax.swing.plaf.synth.SynthOptionPaneUI;

import java.sql.SQLOutput;

import java.util.\*;

class bankaccount{

static void register(){

Scanner sc=new Scanner(System.in);

System.out.println("---------------------------");

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

ATM.name=sc.nextLine();

System.out.println("Enter username :");

String user=sc.nextLine();

System.out.println("Enter password :");

String pass=sc.nextLine();

System.out.println("Enter your Account number :");

ATM.accnumber=sc.nextLine();

System.out.println("REGISTRATION SUCCESSFULLY!");

System.out.println("---------------------------");

ATM.prompt();

while(true){

display(ATM.name);

int choice=sc.nextInt();

if(choice==1){

login(user,pass);

break;

}

else {

if(choice==2){

System.exit(0);

}

else{

System.out.println("Bad value! Enter again!");

}

}

}

}

static void display(String name){}

static void login(String user,String pass){}

}

class transaction{

static void withdraw(){

Scanner sc=new Scanner(System.in);

System.out.println("----------------");

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

int wcash=sc.nextInt();

if(wcash<=ATM.balance){

ATM.balance=ATM.balance-wcash;

ATM.history.add(Integer.toString(wcash));

ATM.history.add("Withdraw");

System.out.println("Amount Rs"+wcash+"/-withdraw successfully");

System.out.println("---------------------------");

}

else{

System.out.println("insufficient balance to withdraw the cash");

System.out.println("---------------------------");

}

ATM.prompt();

}

static void deposit(){

Scanner sc=new Scanner(System.in);

System.out.println("----------------");

System.out.print("Enter amount to deposit :");

int dcash=sc.nextInt();

ATM.updatebalance(dcash);

ATM.history.add(Integer.toString(dcash));

ATM.history.add("Deposit");

System.out.println("Amount Rs."+dcash+"/- deposit successful!");

System.out.println("---------------------------");

ATM.prompt();

}

static void transfer(){

Scanner sc=new Scanner(System.in);

System.out.println("Enter the receiving body:");

String s=sc.nextLine();

System.out.println("Enter the account number of the receiving body");

int num=sc.nextInt();

System.out.println("Enter the amount to be transferred :");

int tcash=sc.nextInt();

if(tcash<=ATM.balance){

ATM.balance=ATM.balance-tcash;

ATM.history.add(Integer.toString(tcash));

ATM.history.add("transferred");

System.out.println("Amount Rs."+tcash+"/- transferred successfully");

System.out.println("---------------------------");

}

else{

System.out.println("insufficient balance to transfer the cash");

System.out.println("---------------------------");

}

}

}

class check{

static void checkbalance(){

System.out.println("------------------");

System.out.println("The available balance in the bank account :");

ATM.showbalance();

System.out.println("---------------------------");

ATM.prompt();

}

}

class his{

static void transactionhistory(){

System.out.println("---------------------");

System.out.println("Transaction History :");

int k=0;

if(ATM.balance>0){

for(int i=0;i<(ATM.history.size()/2);i++)

{

for(int j=0;j<2;j++)

{

System.out.print(ATM.history.get(k)+" ");

k++;

}

System.out.println("---------------------");

}

}

else {

System.out.println("your account is empty");

}

ATM.prompt();

}

}

public class ATM {

public static String name;

public static int balance=0;

public static String accnumber;

public static ArrayList<String> history=new ArrayList<String>();

static void updatebalance(int dcash){

balance=balance+dcash;

}

static void showbalance(){

System.out.println(balance);

}

public static void homepage(){

System.out.println("\033[H\033[2J");

Scanner sc=new Scanner(System.in);

System.out.println("WELCOME TO ATM INTERFACE");

System.out.println("--------------------------");

System.out.println("select option :");

System.out.println("1. Register");

System.out.println("2. Exit");

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

int choice =sc.nextInt();

if (choice==1){

bankaccount.register();

}

else {

if(choice==2){

System.exit(0);

}

else{

System.out.println("select a value only from the given options :");

homepage();

}

}

}

static void prompt(){

Scanner sc=new Scanner(System.in);

System.out.println("WELCOME "+ATM.name+"! TO ATM SYSTEM");

System.out.println("---------------------");

System.out.println("Select option : ");

System.out.println("1. Withdraw");

System.out.println("2. Deposit");

System.out.println("3. Transfer");

System.out.println("4. Check balance");

System.out.println("5. Transaction History");

System.out.println("6. Exit");

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

int choice=sc.nextInt();

switch (choice) {

case 1:

transaction.withdraw();

case 2:

transaction.deposit();

case 3:

transaction.transfer();

case 4:

check.checkbalance();

case 5:

his.transactionhistory();

case 6:

System.exit(0);

}

}

public static void main(String[] args) {

homepage();

}

}