package login;

import java.util.Scanner;

public class bankingapp {

public static void main(String[]args) {

BankAccount obj1= new BankAccount("PriyaGeetha","BA0001");

obj1.showMenu();

}

}

class BankAccount

{

int balance;

int previousTransaction;

String customerName;

String customerId;

BankAccount(String cname,String cid)

{

customerName=cname;

customerId=cid;

}

void deposit(int amount)

{

if(amount !=0)

{

balance=balance+amount;

previousTransaction=amount;

}

}

void withdraw(int amount)

{

if(amount !=0) {

balance=balance-amount;

previousTransaction= -amount;

}

}

void getPreviousTransaction()

{

if(previousTransaction >0)

{

System.out.println("Deposited: "+previousTransaction);

}

else if(previousTransaction < 0)

{

System.out.println("withdrawn: "+Math.abs(previousTransaction));

}

else

{

System.out.println("No transaction occured");

}

}

void showMenu()

{

char option='\0';

Scanner scanner=new Scanner(System.in);

System.out.println("Welcome"+customerName);

System.out.println("Your ID is "+customerId);

System.out.println("\n");

System.out.println("A. Check Balance");

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

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

System.out.println("D. Previous transacton");

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

do

{

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

System.out.println("Enter an option");

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

option=scanner.next().charAt(0);

System.out.println("\n");

switch(option)

{

case 'A':

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

System.out.println("Balance = "+balance);

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

System.out.println("\n");

case 'B':

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

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

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

int amount=scanner.nextInt();

deposit(amount);

System.out.println("\n");

break;

case 'C':

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

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

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

int amount2=scanner.nextInt();

withdraw(amount2);

System.out.println("\n");

break;

case 'D':

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

getPreviousTransaction();

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

System.out.println("\n");

break;

case 'E':

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

break;

default:

System.out.println("Invalid Option!. Please enter again");

break;

}

}while(option != 'E');

System.out.println("Thankyou for using our services");

}

}