// Java Program to Display the ATM Transaction

import java.io.\*;

import java.util.\*;

class ATM {

// Withdraw amount and update the balance

public static double amountWithdrawing(double balance,

double withdrawAmount)

{

System.out.println("Withdrawn Operation:");

System.out.println("Withdrawing Amount : "

+ withdrawAmount);

if (balance >= withdrawAmount) {

balance = balance - withdrawAmount;

System.out.println(

"Please collect your money and collect the card");

}

else {

System.out.println("Sorry! Insufficient Funds");

System.out.println();

}

return balance;

}

// Deposit amount and update the balance

public static double amountDepositing(double balance,

double depositAmount)

{

System.out.println("Deposit Operation:");

System.out.println("Depositing Amount : "

+ depositAmount);

balance = balance + depositAmount;

System.out.println(

"Your Money has been successfully deposited");

return balance;

}

// Display current balance in account

public static void checkBalance(double balance)

{

double accountbalance=balance;

System.out.println("Current Balance : " +accountbalance);

System.out.println();

}

}

class UserAccount extends ATM{

private double balance;

public UserAccount(double initialBalance) {

balance = initialBalance;

//System.out.println("balance "+balance);

}

public void accountbalance()

{

super.checkBalance(balance);

}

}

public class Main{

public static void main(String args[])

{

double balance = 10000;

UserAccount a= new UserAccount(balance);

double withdrawAmount;

double depositAmount;

Scanner sc = new Scanner(System.in);

while(true)

{

System.out.println("Automated Teller Machine");

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

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

System.out.println("Choose 3 for Check Balance");

System.out.println("Choose 4 for EXIT");

System.out.print("Choose the operation you want to perform:");

//get choice from user

int choice = sc.nextInt();

switch(choice)

{

case 1:

System.out.println("Enter amount to be withdrawn:");

withdrawAmount=sc.nextDouble();

balance=a.amountWithdrawing(balance, withdrawAmount);

break;

case 2:

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

depositAmount=sc.nextDouble();

balance=a.amountDepositing(balance, depositAmount);

break;

case 3:

a.checkBalance(balance);

break;

case 4:

System.exit(0);

break;

default:

System.out.println("Invalid input");

}

}

}

}