package Exp8;

import java.util.\*;

class Bankclient

{

Scanner sc=new Scanner(System.in);

int bal=9000;

int Wamount=0;

synchronized void withdraw()

{

System.out.println("Enter Amount to Withdraw");

int amount=sc.nextInt();

Wamount=amount;

try

{if(bal<amount)

{

wait();

}}

catch(Exception e)

{

System.out.println("Wait Called");

}

bal-=amount;

System.out.println("Balance After Withdraw is "+bal);

}

synchronized void deposit()

{

System.out.println("Enter Amount to Deposit");

int amount=sc.nextInt();

bal=bal+amount;

System.out.println("Balance After Deposit is "+bal);

while(Wamount>bal)

{

System.out.println("Insufficient amount to withdraw \nDeposite Amount");

deposit();

}

notify();

}

}

public class multiThread {

public static void main(String[] args) {

// TODO Auto-generated method stub

Bankclient obj=new Bankclient();

new Thread()

{

public void run()

{

obj.withdraw();

}

}.start();

new Thread() {

public void run() {

obj.deposit();

}

}.start();

}

}