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ccs.java
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File info

```
import java.util.Scanner;
import java.util.InputMismatchException;
class Calculator
{

    public void add(float a,float b, float c)
    {
        System.out.println(a+"+"+b+"+"+c+"="+(a
    }
    public void add(float a,float b)
    {
        System.out.println(a+"+"+b+"="+(a+b));
    }


    public void subtract(float a,float b, float
    {
        System.out.println(a+"-"+b+"-"+c+"="+(a
    }
    public void subtract(float a,float b)
    {
        System.out.println(a+"-"+b+"="+(a-b));
    }


    public void product(float a,float b)
    {
        System.out.println(a+"*"+b+"="+(a*b));
    }


    public void division(float a,float b)
    {
        System.out.println(a+"/"+b+"="+(a/b));
    }
}
public class Main
{
    public static void main (String[] args) {
        Calculator cal=new Calculator();
        Scanner sc=new Scanner(System.in);
        System.out.println("Author:M.bha
```

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```
{
    System.out.println("1. ADD\n2. SUBT
    int op=sc.nextInt();
    switch(op)
    {
         case 0:
            System.out.println("Exit...
            System.exit(0);
            break;
        case 1:
            System.out.print("Enter ope
            float add1=sc.nextFloat();
            System.out.print("Enter ope
            float add2=sc.nextFloat();
            System.out.print("Enter ope
            float add3=sc.nextFloat();
            if(add3==0)
            {
                cal.add(add1, add2);
            }
            else
            {
                cal.add(add1, add2, add
            }
            break;
        case 2:
           System.out.print("Enter oper
            float sub1=sc.nextFloat();
            System.out.print("Enter ope
            float sub2=sc.nextFloat();
            System.out.print("Enter ope
            float sub3=sc.nextFloat();
            if(sub3==0)
            {
                cal.subtract(sub1, sub2
            }
            else
            {
                cal.subtract(sub1, sub2
            }
            break;
        case 3:
            System.out.print("En
            float mul1=sc.nextFl
            System.out.print("En
```

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```
     }
     else
     {
         cal.subtract(sub1, sub2, sub3);
     }
     break;
 case 3:
     System.out.print("Enter operand 1: ");
     float mul1=sc.nextFloat();
     System.out.print("Enter operand 2: ");
     float mul2=sc.nextFloat();
     cal.product(mul1,mul2);
     break;
 case 4:
     System.out.print("Enter operand 1: ");
     float div1=sc.nextFloat();
     System.out.print("Enter operand 2: ");
     float div2=sc.nextFloat();
     if(div2==0)
     {
         throw new ArithmeticException("Number
     }
     cal.division(div1,div2);
     break;
default:
     System.out.println("Invalid choice: ");


nputMismatchException ime)

stem.out.println("You have entered input of wro

rithmeticException ae)

stem.out.println(ae.getMessage());
```

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```java
public class Main
{
    public static boolean isPalindrome(String st
    {
        if (low >= high) {
            return true;
        }

        if (string.charAt(low) != string.charAt(
            return false;
        }

        return isPalindrome(string, low + 1, hig
    }

    public static void main(String[] args)
    {
        String string = "madam";

        if (isPalindrome(string, 0, string.lengt
            System.out.println("Author:M baharth
            System.out.print("given String is Pal
        } else {
            System.out.print("given String is Not
        }
    }
}
```

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Terminal

```
Author:M baharth
SAP ID:51834556
given String is Palindrome
Process finished.
```

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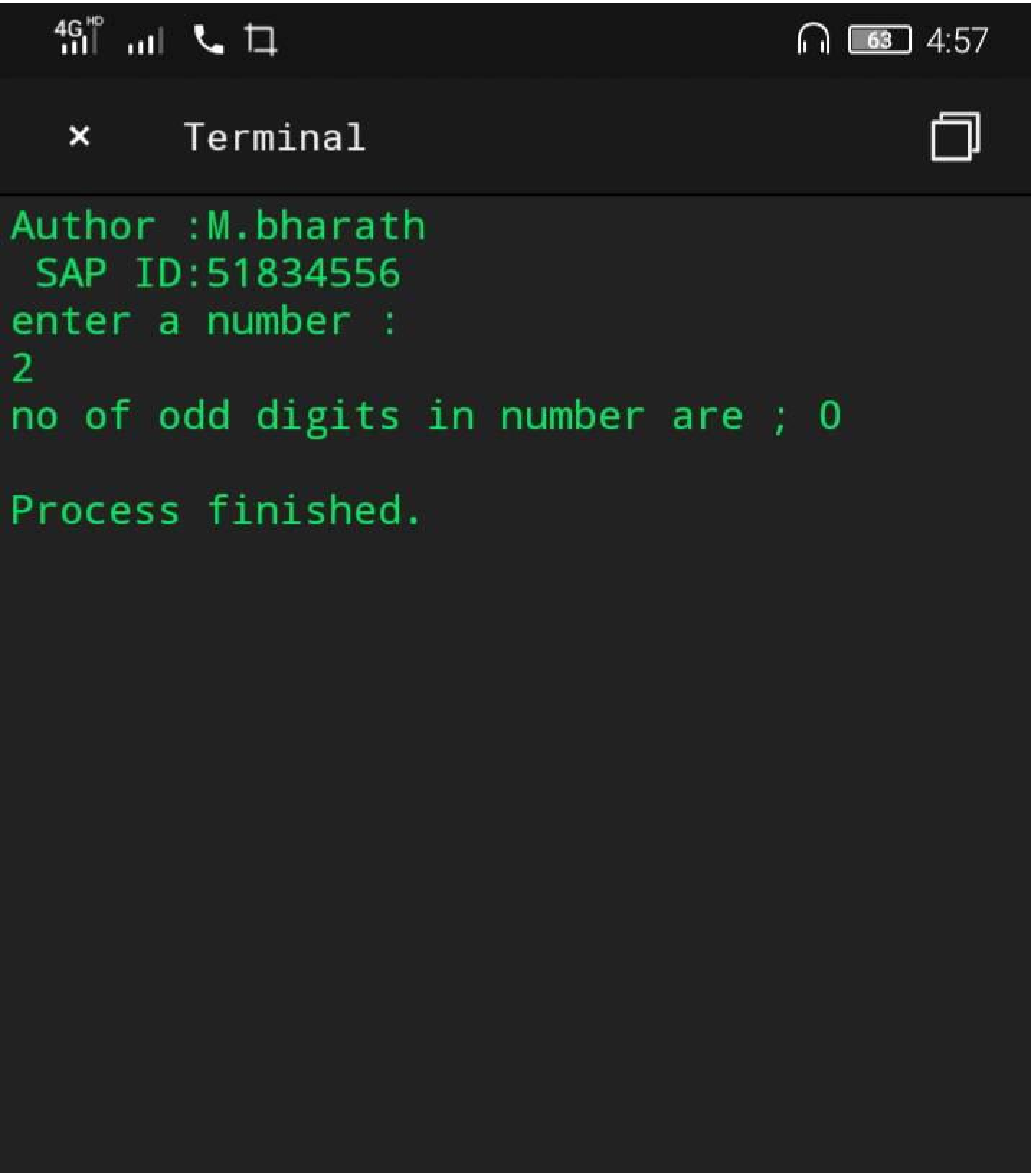
```
mport java.util.*;
ublic class Main

 public static void main (String[] args)
 {
   System.out.println("Author :M.bharath \n SAP
   int count=0;
   int rem=0 ;
   Scanner sc=new Scanner(System.in);
   System.out.println("enter a number :");
   int n= sc.nextInt();
   while(n>0)
   {
     rem=n%10;
     if(rem%2!=0)
     {
       count++;
     }
     n=n/10;

   }
   System.out.println("no of odd digits in numbe

 }

```



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Terminal

```
Author :M.bharath
 SAP ID:51834556
enter a number :
2
no of odd digits in number are ; 0

Process finished.
```