



j.java



Saved

```
1
2  .l.Scanner;
3  .l.InputMismatchException;
4  or
5
6
7  d add(float a,float b, float c)
8
9  .out.println(a+" "+b+" "+c+"="+ (a+b+c));
10
11 d add(float a,float b)
12
13 .out.println(a+" "+b+"="+ (a+b));
14
15
16
17 d subtract(float a,float b, float c)
18
19 .out.println(a+"-"+b+"-"+c+"="+ (a-b-c));
20
21 d subtract(float a,float b)
22
23 .out.println(a+"-"+b+"="+ (a-b));
24
25
26
27 d product(float a,float b)
28
29 .out.println(a+"*"+b+"="+ (a*b));
30
31
32
33 d division(float a,float b)
34
35 .out.println(a+"/"+b+"="+ (a/b));
36
37
38 ain
39
40 ic void main (String[] args) {
41   ator cal=new Calculator();
42   .sc=new Scanner(System.in);
43   .out.println("Author: D.jai srikar \nSAP ID:51834526")
44
45
46   stem.out.println("1. ADD\n2. SUBTRACT\n3. MULTIPLICAT
47   : op=sc.nextInt();
48   tch(op)
49
50   case 0:
51       System.out.println("Exit...");
52       System.exit(0);
53       break;
54   case 1:
55       System.out.print("Enter operand 1: ");
56       :Float();
57       System.out.print("Enter operand 2: ");
```

Try Dcoder's keyboard



```
← j.java Saved
11 (add3==0)
12 {
13     cal.add(add1, add2);
14 }
15 else
16 {
17     cal.add(add1, add2, add3);
18 }
19 break;
20 case 2:
21     System.out.print("Enter operand 1: ");
22     float sub1=sc.nextFloat();
23     System.out.print("Enter operand 2: ");
24     float sub2=sc.nextFloat();
25     System.out.print("Enter operand 3(if you want. ");
26     float sub3=sc.nextFloat();
27     if(sub3==0)
28     {
29         cal.subtract(sub1, sub2);
30     }
31     else
32     {
33         cal.subtract(sub1, sub2, sub3);
34     }
35     break;
36 case 3:
37     System.out.print("Enter operand 1: ");
38     float mul1=sc.nextFloat();
39     System.out.print("Enter operand 2: ");
40     float mul2=sc.nextFloat();
41     cal.product(mul1,mul2);
42     break;
43 case 4:
44     System.out.print("Enter operand 1: ");
45     float div1=sc.nextFloat();
46     System.out.print("Enter operand 2: ");
47     float div2=sc.nextFloat();
48     if(div2==0)
49     {
50         throw new ArithmeticException("Number cannot be divided by 0");
51     }
52     cal.division(div1,div2);
53     break;
54 default:
55     System.out.println("Invalid choice: ");
56
57 inputMismatchException ime)
58
59 System.out.println("You have entered input of wrong data type");
60
61 ArithmeticException ae)
62
63 System.out.println(ae.getMessage());
64
65 Try Dcoder's keyboard
```



Author: D.jai srikar

SAP ID:51834526

1. ADD

2. SUBTRACT

3. MULTIPLICATION

4. DIVISION

5. EXIT

Enter your choice:

1

Enter operand 1: 2

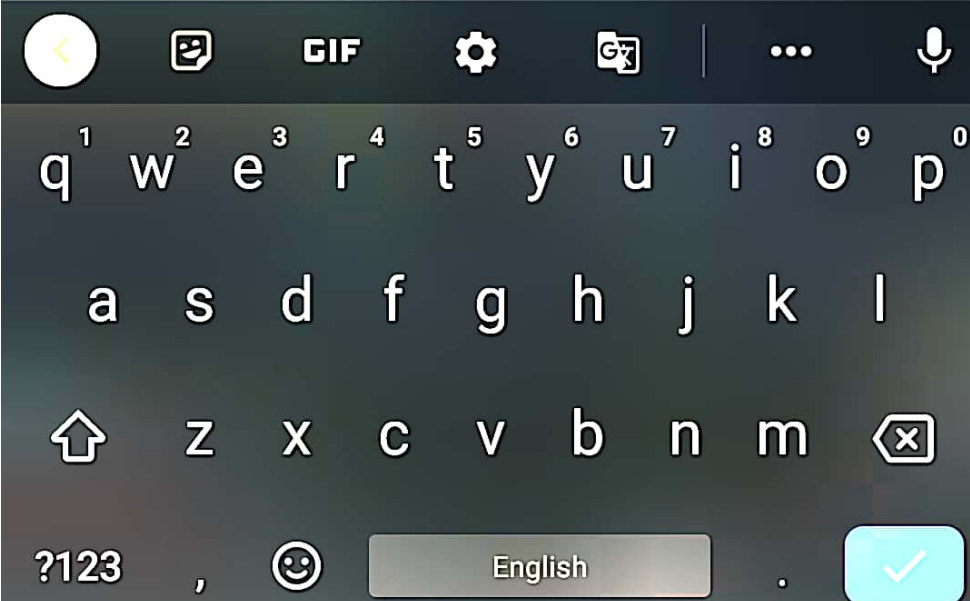
Enter operand 2: 4


Enter operand 3(if you want. else enter 0): 0

2.0+4.0=6.0

Process finished.

|



h.java 
Saved

```
1 public class Main
2 {
3     public static boolean isPalindrome(String string,
4     {
5         if (low >= high) {
6             return true;
7         }
8
9         if (string.charAt(low) != string.charAt(high))
10            return false;
11        }
12
13        return isPalindrome(string, low + 1, high - 1)
14    }
15
16    public static void main(String[] args)
17    {
18        String string = "madam";
19
20        if (isPalindrome(string, 0, string.length() -
21            System.out.println("Author:D.jai srikar \n");
22            System.out.print("given String is Palindrom
23        } else {
24            System.out.print("given String is Not Palind
25        }
26    }
27 }
```



5:47

VoLTE



4G




27%



× Terminal



```
Author:D.jai srikar  
SAP ID:51834526  
given String is Palindrome  
Process finished.
```


← k.java  Saved  

```
import java.util.*;
public class Main
{
    public static void main (String[] args)
    {
        System.out.println("Author :D.jai srikar \n SAP I
        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")
```

x Terminal



Author :D.jai srikar

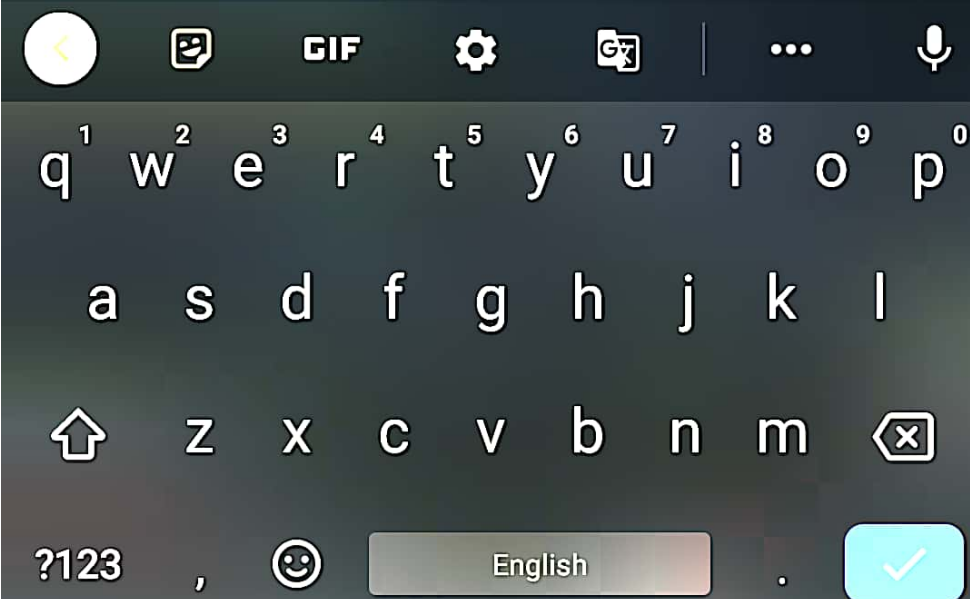
SAP ID:51834526


enter a number :

123456789

no of odd digits in number are ; 5

Process finished.



z.java 

Saved



```
1 import java.util.Arrays;
2
3 class Main
4 {
5     public static void swap(int[] arr, int a, int b)
6     {
7         int temp = arr[a];
8         arr[a] = arr[b];
9         arr[b] = temp;
10    }
11
12    public static void bubbleSort(int[] arr, int m)
13    {
14        for (int a = 0; a < m - 1; a++) {
15            if (arr[a] > arr[a + 1]) {
16                swap(arr, a, a + 1);
17            }
18        }
19        if (m - 1 > 1) {
20            bubbleSort(arr, m - 1);
21        }
22    }
23
24    public static void main(String[] args)
25    {
26        int[] arr = { 5, 1, 7, 9, 8, 0, 2 };
27
28        bubbleSort(arr, arr.length);
29
30        System.out.println("Author:D.jai srikar\n SAP");
31        System.out.println(Arrays.toString(arr));
32    }
33 }
```



5:50

VoLTE



4G

27%



× Terminal



```
Author:D.jai srikar  
SAP ID:51834526  
[0, 1, 2, 5, 7, 8, 9]
```

```
Process finished.
```