



h.java

Saved



```
1  import java.util.Scanner;
2  import java.util.InputMismatchException;
3  class Calculator
4
5
6  public void add(float a, float b, float c)
7
8      System.out.println(a+"+"+b+"+"+c+"="+ (a+b+c));
9
10 public void add(float a, float b)
11
12     System.out.println(a+"+"+b+"="+ (a+b));
13
14
15
16 public void subtract(float a, float b, float c)
17
18     System.out.println(a+"-"+b+"-"+c+"="+ (a-b-c));
19
20 public void subtract(float a, float b)
21
22     System.out.println(a+"-"+b+"="+ (a-b));
23
24
25
26 public void product(float a, float b)
27
28     System.out.println(a+"*"+b+"="+ (a*b));
29
30
31
32 public void division(float a, float b)
33
34     System.out.println(a+"/"+b+"="+ (a/b));
35
36
37 public class Main
38
39 public static void main (String[] args) {
40     Calculator cal=new Calculator();
41     Scanner sc=new Scanner(System.in);
42     System.out.println("Author: B. shyam teja\nSAP ID");
43     try
44     {
45         System.out.println("1. ADD\n2. SUBTRACT\n3. M");
46         int op=sc.nextInt();
47         switch(op)
48         {
49             case 0:
50                 System.out.println("Exit...");
51                 System.exit(0);
52                 break;
53             case 1:
54                 System.out.print("Enter operand 1: ");
55                 float id1=sc.nextFloat();
56                 System.out.print("Enter operand 2: ");
57                 float id2=sc.nextFloat();
58                 cal.add(id1, id2, 0);
59                 cal.subtract(id1, id2, 0);
60                 cal.product(id1, id2);
61                 cal.division(id1, id2);
62             default:
63                 System.out.println("Invalid option");
64         }
65     }
66     catch (InputMismatchException e)
67     {
68         System.out.println("Invalid input");
69     }
70 }
```

Try Dcoder's keyboard





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```
        {
            cal.add(add1, add2);
        }
        else
        {
            cal.add(add1, add2, add3);
        }
        break;
    case 2:
        System.out.print("Enter operand 1: ");
        float sub1=sc.nextFloat();
        System.out.print("Enter operand 2: ");
        float sub2=sc.nextFloat();
        System.out.print("Enter operand 3(if you");
        float sub3=sc.nextFloat();
        if(sub3==0)
        {
            cal.subtract(sub1, sub2);
        }
        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: ");
}

catch(InputMismatchException ime)

    System.out.println("You have entered input of wrong type");

catch(ArithmeticException ae)

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

Try Dcoder's keyboard





Author: B. shyam teja

SAP ID:51834529

1. ADD

2. SUBTRACT

3. MULTIPLICATION

4. DIVISION

5. EXIT

Enter your choice:

1

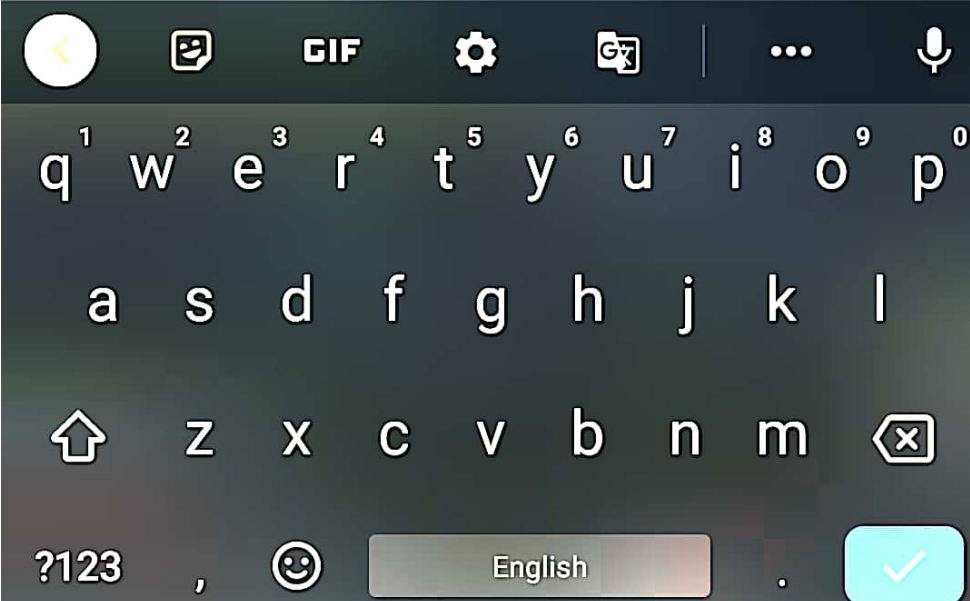
Enter operand 1: 89

Enter operand 2: 96

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

89.0+96.0=185.0

Process finished.





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```
1 public class Main
2 {
3     public static boolean isPalindrome(String string, int low, int high)
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() - 1))
21             System.out.println("Author:B.Shyam teja\nSAP ID:");
22         System.out.print("given String is Palindrome");
23     } else {
24         System.out.print("given String is Not Palindrome");
25     }
26 }
27 }
```

Make public



```
Author:B.Shyam teja  
SAP ID:51834529  
given String is Palindrome  
Process finished.
```

```
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import java.util.*;
public class Main
{
    public static void main (String[] args)
    {
        System.out.println("Author :B.shyam teja \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 in number ar
```



✕ Terminal



Author :B.shyam teja

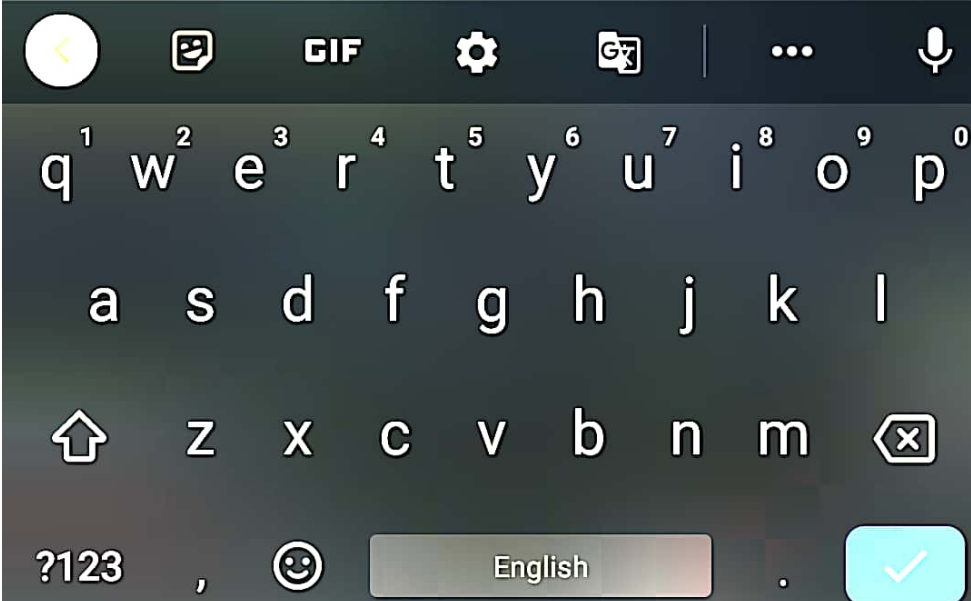
SAP ID:51834529

enter a number :

378492874

no of odd digits in number are ; 4

Process finished.





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```
import java.util.Arrays;

class Main
{
    public static void swap(int[] arr, int a, int b)
    {
        int temp = arr[a];
        arr[a] = arr[b];
        arr[b] = temp;
    }

    public static void bubbleSort(int[] arr, int m)
    {
        for (int a = 0; a < m - 1; a++) {
            if (arr[a] > arr[a + 1]) {
                swap(arr, a, a + 1);
            }
        }
        if (m - 1 > 1) {
            bubbleSort(arr, m - 1);
        }
    }

    public static void main(String[] args)
    {
        int[] arr = { 5, 1, 7, 9, 8, 0, 2 };

        bubbleSort(arr, arr.length);

        System.out.println("Author: B.shyam tejaa\n SAP");
        System.out.println(Arrays.toString(arr));
    }
}
```





```
Author:B.shyam tejaa  
SAP ID:51834529  
[0, 1, 2, 5, 7, 8, 9]
```

```
Process finished.
```