



jyothik 1.java



Saved

```
1 import java.util.Scanner;
2 public class Exercise5 {
3
4     public static void main(String[] args)
5     {
6         System.out.println("Author:A.jyothik\nSAPId:51834611");
7         Scanner in = new Scanner(System.in);
8         System.out.print("Input the string: ");
9         String str = in.nextLine();
10
11         System.out.print("Number of words in the string: ");
12     }
13
14     public static int count_Words(String str)
15     {
16         int count = 0;
17         if (!(" ".equals(str.substring(0, 1))) || str.length() > 0)
18         {
19             for (int i = 0; i < str.length(); i++)
20             {
21                 if (str.charAt(i) == ' ')
22                 {
23                     count++;
24                 }
25             }
26
27             count = count + 1;
28         }
29         return count; // returns 0 if string starts with space
30     }
31 }
32
```

x

Terminal



Author:A.jyothik

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Input the string: 7

Number of words in the string: 1

Process finished.



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```
import java.util.Arrays;

public class Main
{
    private static int[] mergeArray(int[] array1
    {
        System.out.println("Author:A.jyothik\nSA
        int[] mergedArray = new int[array1.length

        int a=0, b=0, c=0;

        while (a < array1.length)
        {
            mergedArray[c] = array1[a];
            a++;
            c++;
        }

        while (b < array2.length)
        {
            mergedArray[c] = array2[b];
            b++;
            c++;
        }

        Arrays.sort(mergedArray);

        return mergedArray;
    }

    public static void main(String[] args)
    {
        int[] array1 = new int[] {12, -7, 18, 9,
        int[] array2 = new int[] {27, 8, 71, -9,
        int[] mergedArray = mergeArray(array1, a
```



Terminal



Author:A.jyothik

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Array 1 : [12, -7, 18, 9, 37, -1, 21]

Array 2 : [27, 8, 71, -9, 18]

Merged Array : [-9, -7, -1, 8, 9, 12, 18,

Process finished