



```
1 / 2 question /
2 import java.util.Arrays;
3
4 public class Main
5 {
6     private static int[] mergeArray(int[] array1
7     {
8         System.out.println("Author:b.devi priya
9         int[] mergedArray = new int[array1.length
10
11         int a=0, b=0, c=0;
12
13         while (a < array1.length)
14         {
15             mergedArray[c] = array1[a];
16             a++;
17             c++;
18         }
19
20         while (b < array2.length)
21         {
22             mergedArray[c] = array2[b];
23             b++;
24             c++;
25         }
26
27         Arrays.sort(mergedArray);
28
29         return mergedArray;
30     }
31
32     public static void main(String[] args)
33     {
34         int[] array1 = new int[] {12, -7, 18, 9,
35         int[] array2 = new int[] {27, 8, 71, -9,
36         int[] mergedArray = mergeArray(array1, a
37         System.out.println("Array 1 : "+Arrays.t
38         System.out.println("Array 2 : "+Arrays.t
39         System.out.println("Merged Array : "+Arr
40     }
41 }
42
43
44
45
46 }
```



Terminal



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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, 1

Process finished.



```
Input the string: 3 5 7 8  
Number of words in the string: 5  
  
Process finished.
```



bts.java



Saved

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

