



srinu.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:B.Srinu\nSapId:51834552");
7
8         Scanner in = new Scanner(System.in);
9         System.out.print("Input the string: ");
10        String str = in.nextLine();
11
12        System.out.print("Number of words in the string: ");
13    }
14
15    public static int count_Words(String str)
16    {
17        int count = 0;
18        if (!(" ".equals(str.substring(0, 1))) || str.endsWith(" "))
19        {
20            for (int i = 0; i < str.length(); i++)
21            {
22                if (str.charAt(i) == ' ')
23                {
24                    count++;
25                }
26            }
27            count = count + 1;
28        }
29        return count; // returns 0 if string starts with space
30    }
31 }
```

x

Terminal



```
Author:B.Srinu
SapId:51834552
Input the string: 5
Number of words in the string: 1

Process finished.
```



srinu1.java



Saved

```
1 import java.util.Arrays;
2
3 public class Main
4 {
5     private static int[] mergeArray(int[] array1,
6     {
7         System.out.println("Author:B.Srinu\nSAP ID:51834552");
8         int[] mergedArray = new int[array1.length + array2.length];
9
10        int a=0, b=0, c=0;
11
12        while (a < array1.length)
13        {
14            mergedArray[c] = array1[a];
15            a++;
16            c++;
17        }
18
19        while (b < array2.length)
20        {
21            mergedArray[c] = array2[b];
22            b++;
23            c++;
24        }
25
26        Arrays.sort(mergedArray);
27
28        return mergedArray;
29    }
30
31    public static void main(String[] args)
32    {
33        int[] array1 = new int[] {12, -7, 18, 9, 37, -1, 21};
34        int[] array2 = new int[] {27, 8, 71, -9, 18};
35
36        int[] mergedArray = mergeArray(array1, array2);
37    }
```



Terminal



```
Author:B.Srinu
SAP ID:51834552
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, 21, 27, 37, 71]
Process finished
```