



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))) ||
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 }
```



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
8             int[] mergedArray = new int[array1.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,
34
35            int[] array2 = new int[] {27, 8, 71, -9,
36
37            int[] mergedArray = mergeArray(array1, a
```

* 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,
Process finished.