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2nd Answer

```
1  import java.util.Arrays;
2
3  public class Main
4  {
5      private static int[] mergeArray
6      (int[] array1, int[] array2)
7      {
8          System.out.println
9          ("Author:S.Nithin \nSAP ID:51834789");
10         int[] mergedArray = new int
11         [array1.length + array2.length];
12
13         int a=0, b=0, c=0;
14
15         while (a < array1.length)
16         {
17             mergedArray[c] = array1[a];
18             a++;
19             c++;
20         }
21
22         while (b < array2.length)
23         {
24             mergedArray[c] = array2[b];
25             b++;
26             c++;
27         }
28
29         Arrays.sort(mergedArray);
30
```

```

31         return mergedArray;
32     }
33
34     public static void main(String[] args)
35     {
36         int[] array1 = new int[]
37             {9, -5, -4, 6, 31, 22};
38
39         int[] array2 = new int[]
40             {35, 12, 67, 51, 91};
41
42         int[] mergedArray = mergeArray
43             (array1, array2);
44
45         System.out.println
46             ("Array 1 : "+Arrays.toString(array1));
47
48         System.out.println
49             ("Array 2 : "+Arrays.toString(array2));
50
51         System.out.println
52             ("Merged Array : "+Arrays.toString
53             (mergedArray));
54     }
55 }

```

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Array 1 : [9, -5, -4, 6, 31, 22]

Array 2 : [35, 12, 67, 51, 91]

Merged Array : [-5, -4, 6, 9, 12, 22, 31,

Process finished.

5th Answer

```
1  import java.util.Scanner;
2  public class main {
3
4      public static void main(String[] args)
5      {
6          Scanner in = new Scanner(System.in);
7          System.out.print
8          ("Input the string: ");
9          String str = in.nextLine();
10
11          System.out.print
12          ("Number of words in the string: "
13          + count_Words(str)+"\n");
14      }
15
16      public static int count_Words(String str)
17      {
18          int count = 0;
19          if (!(" ".equals(str.substring(0, 1)))
20              || !(" ".equals(str.substring
21              (str.length() - 1))))
22          {
23              for (int i = 0; i < str.length
24              (); i++)
25              {
26                  if (str.charAt(i) == ' ')
27                  {
28                      count++;
29                  }
30              }
31              count = count + 1;
32          }
33          return count;
34      }
35  }
```

× Terminal



```
Input the string: Sunku Nithin
Number of words in the string: 2
```

```
Process finished.
```