```java
import java.util.Arrays;

public class Main
{
    private static int[] mergeArray(int[] array1, int[] array2)
    {
        System.out.println("Author:K.lokesh\nSAP ID:51834512");
        int[] mergedArray = new int[array1.length + array2.length];

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

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

```java
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)
            array1 = new int[] {12, -7, 18, 9, 37, -1, 21};
```

```java
31    public static void main(String[] args)
32    {
33        int[] array1 = new int[] {12, -7, 18, 9, 37, -1, 21};
34
35        int[] array2 = new int[] {27, 8, 71, -9, 18};
36
37        int[] mergedArray = mergeArray(array1, array2);
38
39        System.out.println("Array 1 : "+Arrays.toString(array1));
40
41        System.out.println("Array 2 : "+Arrays.toString(array2));
42
43        System.out.println("Merged Array : "+Arrays.toString(mergedArray));
44    }
45 }
```

⋮ File info ⓘ

```
Author:K.lokesh
SAP ID:51834512
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.
```

```java
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 string: " + count_Words(str)+"\n");
11       }
12
13    public static int count_Words(String str)
14       {
15           int count = 0;
16           if (!(" ".equals(str.substring(0, 1))) || !(" ".equals(str.substring(str.length() - 1))))
```

```java
            0; i < str.length(); i++)
```

```
15          int count = 0;
16          if (!(" ".equals(str.substring(0, 1))) || !(" ".equals(str.substring(str.length() - 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 starts or ends with space " ".
28      }
29 }
```

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```
Terminal                                          ⧉

Input the string: who are u ?
Number of words in the string: 4

Process finished.
```