```java
import java.util.Arrays;

public class Main
{
private static int[] mergeArray(int[] array1, int[] array2)
    {
        System.out.println("Suhail");
        System.out.println("51834539");
        int[] mergedArray = new int[array1.length + array2.length];

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

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

```java
17          c++;
18      }

20      while (b < array2.length)
21      {
22          mergedArray[c] = array2[b];
23          b++;
24          c++;
25      }

27      Arrays.sort(mergedArray);

29      return mergedArray;
30  }

31
```

```java
32    public static void main(String[] args)
33    {
34        int[] array1 = new int[] {22, 13, 54, 99, 77, -15, 30};
35
36        int[] array2 = new int[] {55, 8, 71, 3, 17};
37
38        int[] mergedArray = mergeArray(array1, array2);
39
40        System.out.println("Array 1 : "+Arrays.toString(array1));
41
42        System.out.println("Array 2 : "+Arrays.toString(array2));
43
44        System.out.println("Merged Array : "+Arrays.toString(mergedArray));
45    }
46 }
```

```
Suhail
51834539
Array 1 : [22, 13, 54, 99, 77, -15, 30]
Array 2 : [55, 8, 71, 9, 17]
Merged Array : [-15, 8, 9, 13, 17, 22, 30, 54, 55, 71, 77, 99]

Process finished.
```

```java
import java.util.Scanner;
public class Exercise5 {

    public static void main(String[] args)
      {
        System.out.println("Suhail");
        System.out.println("51834539");
          Scanner in = new Scanner(System.in);
          System.out.print("Input the string: ");
          String str = in.nextLine();

 System.out.print("Number of words in the string: " + count_Words(str)+"\n");
      }

  public static int count_Words(String str)
```

```
16    {
17        int count = 0;
18        if (!(" ".equals(str.substring(0, 1))) || !(" ".equals(str.substring(str.length() - 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 or ends with space " ".
30    }
31 }
```

```
×      Terminal
```

Suhail
51834539
Input the string: I like playing cricket
Number of words in the string: 4

Process finished.