```java
import java.util.Arrays;

public class Main
{
    private static int[] mergeArray(int[] array1, int[] array2
    {
        System.out.println("Author:A.swathi \nSAP ID:51834629"
        System.out.println("question 2");
        int[] mergedArray = new int[array1.length + array2.len

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

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

        while (b < array2.length)
        {
            mergedArray[c] = array2[b];
            b++;
            c++;
        }

        Arrays.sort(mergedArray);

        return mergedArray;
    }

    public static void main(String[] args)
    {
        int[] array1 = new int[] {12, -7, 18, 9, 37, -1, 21};

        int[] array2 = new int[] {27, 8, 71, -9, 18};

        int[] mergedArray = mergeArray(array1, array2);
```

Terminal

```
Author:A.swathi
SAP ID:51834629
question 2
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, 18, 21, 27, 3
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.println("author:A.swathi \nsapid:51834629")
8            System.out.println("question 5");
9            System.out.print("Input the string: ");
10
11           String str = in.nextLine();
12
13           System.out.print("Number of words in the string: " + c
14       }
15
16   public static int count_Words(String str)
17       {
18           int count = 0;
19           if (!(" ".equals(str.substring(0, 1))) || !(" ".equals
20           {
21               for (int i = 0; i < str.length(); i++)
22               {
23                   if (str.charAt(i) == ' ')
24                   {
25                       count++;
26                   }
27               }
28               count = count + 1;
29           }
30           return count; // returns 0 if string starts or ends wi
31       }
32   }
```