

```

1  import java.util.Arrays;
2
3  public class Main
4  {
5      private static int[] mergeArray(int[] array1, int[] array2)
6      {
7          System.out.println("Madan Mohan");
8          System.out.println("51834548");
9          int[] mergedArray = new int[array1.length + array2.length];
10
11          int a=0, b=0, c=0;
12
13          while (a < array1.length)
14          {
15              mergedArray[c] = array1[a];
16

```

```
16         a++;
17         c++;
18     }
19
20     while (b < array2.length)
21     {
22         mergedArray[c] = array2[b];
23         b++;
24         c++;
25     }
26
27     Arrays.sort(mergedArray);
28
29     return mergedArray;
30 }
31
```

```

32 public static void main(String[] args)
33 {
34     int[] array1 = new int[] {2, 13, 18, 9, 37, -5, 33};
35
36     int[] array2 = new int[] {1, 8, 70, -9, 18};
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 }

```

× Terminal

```
Madan Mohan  
51834548  
Array 1 : [2, 13, 18, 9, 37, -5, 33]  
Array 2 : [1, 8, 70, -9, 18]  
Merged Array : [-9, -5, 1, 2, 8, 9, 13, 18, 18, 33, 37, 70]  
Process finished.
```

```

1  import java.util.Scanner;
2  public class Exercise5 {
3
4      public static void main(String[] args)
5      {
6          System.out.println("Madan Mohan");
7          System.out.println("51834548");
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: " + count_Words(str)+"\n");
13     }
14
15     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

```
Madan Mohan  
51834548  
Input the string: My Name Is Madan Mohan  
Number of words in the string: 5  
  
Process finished.  
|
```