

```
1 import java.util.Scanner;
2 public class AscendingOrder
3 {
4     public static void main(String[] args)
5     {
6         int n, temp;
7         Scanner s = new Scanner(System.in);
8         System.out.println("Author :v. pavankumar");  System.out.print("Enter no. of elements you want");
9         n = s.nextInt();
10        int a[] = new int[n];
11        System.out.println("Enter all the elements:");
12        for (int i = 0; i < n; i++)
13        {
14            a[i] = s.nextInt();
15        }
16        for (int i = 0; i < n; i++)
17        {
18            for (int j = i + 1; j < n; j++)
19            {
20                if (a[i] > a[j])
21                {
22                    temp = a[i];
23                    a[i] = a[j];
24                    a[j] = temp;
25                }
26            }
27        }
28        System.out.println("The sorted array is:");
29        for (int i = 0; i < n; i++)
30        {
31            System.out.print(a[i] + " ");
32        }
33    }
34 }
```

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```
1/
17
18     for (int j = i + 1; j < n; j++)
19     {
20         if (a[i] > a[j])
21         {
22             temp = a[i];
23             a[i] = a[j];
24             a[j] = temp;
25         }
26     }
27 }
28 System.out.print("Ascending Order:");
29 for (int i = 0; i < n - 1; i++)
30 {
31     System.out.print(a[i] + ",");
32 }
33 System.out.print(a[n - 1]);
```

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```
Enter no. of elements you want in array:1
Enter all the elements:
a
Exception in thread "main" java.util.InputMismatchException
 at java.base/java.util.Scanner.throwFor(Scanner.java:939)
 at java.base/java.util.Scanner.next(Scanner.java:1594)
 at java.base/java.util.Scanner.nextInt(Scanner.java:2258)
 at java.base/java.util.Scanner.nextInt(Scanner.java:2212)
 at AscendingOrder.main(source.java:14)
Process finished with exit code 1.
```

```
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("Author:v.pavankumar\nSAP ID:51834509");  
8         int[] mergedArray = new int[array1.length + array2.length];  
9  
10        int a=0, b=0, c=0;  
11  
12        while (a < array1.length)  
13        {  
14            mergedArray[c] = array1[a];  
15            a++;  
16            c++;  
17        }  
18        while (b < array2.length)  
19        {  
20            mergedArray[c] = array2[b];  
21            b++;  
22            c++;  
23        }  
24    }  
25  
26    public static void main(String[] args)  
27    {  
28        int[] array1 = {1, 2, 3, 4, 5};  
29        int[] array2 = {6, 7, 8, 9, 10};  
30  
31        int[] mergedArray = mergeArray(array1, array2);  
32  
33        for (int i : mergedArray)  
34        {  
35            System.out.print(i + " ");  
36        }  
37    }  
38}
```

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(b < array2.length)





pavan.java



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```
1 /  
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)  
32 {  
33     int[] array1 = new int[] {12, -7, 18, 9, 37, -1, 21};  
34     int[] array2 = new int[] {27, 8, 71, -9, 18};  
35 }
```

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```
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 }
```

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Author:v.pavankumar

SAP ID:51834509

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, 37, 71]

Process finished.



```
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))))
17        {
18            File info ⓘ for (int i = 0; i < str.length(); i++)
19            {
20                if (!(" ".equals(str.substring(i, i+1)))) count++;
21            }
22        }
23        return count;
24    }
25}
```



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```
16    .equals(str.substring(0, i)) && str.substring(i, str.length())
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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Input the string: 2

Number of words in the string: 1

Process finished.