```java
import java.util.Scanner;
public class Ascending _Order
{
    public static void main(String[] args)
    {
        int n, temp;
        Scanner s = new Scanner(System.in);
       system.out.println("Author :Nancy Florence");  System.out.print("Enter no. of elements you want in array:");
        n = s.nextInt();
        int a[] = new int[n];
        System.out.println("Enter all the elements:");
        for (int i = 0; i < n; i++)
        {
            a[i] = s.nextInt();
        }
        for (int i = 0; i < n; i++)
        {
            for (int j = i + 1; j < n; j++)
            {
                if (a[i] > a[j])
                {
                    temp = a[i];
                    a[i] = a[j];
                    a[j] = temp;
                }
            }
        }
        System.out.print("Ascending Order:");
        for (int i = 0; i < n - 1; i++)
        {
            System.out.print(a[i] + ",");
        }
        System.out.print(a[n - 1]);
    }
}
```

```java
import java.util.Arrays;

public class MergeArrayProgram
{
    private static int[] mergeArray(int[] arrayA, int[] arrayB)
    {
        int[] mergedArray = new int[arrayA.length + arrayB.length];

        int i=0, j=0, k=0;

        while (i < arrayA.length)
        {
            mergedArray[k] = arrayA[i];
            i++;
            k++;
        }

        while (j < arrayB.length)
        {
            mergedArray[k] = arrayB[j];
            j++;
            k++;
        }

        Arrays.sort(mergedArray);

        return mergedArray;
    }

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

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

        int[] mergedArray = mergeArray(arrayA, arrayB);

        System.out.println("Array A :
```

```
        int i=0, j=0, k=0;

        while (i < arrayA.length)
        {
            mergedArray[k] = arrayA[i];
            i++;
            k++;
        }

        while (j < arrayB.length)
        {
            mergedArray[k] = arrayB[j];
            j++;
            k++;
        }

        Arrays.sort(mergedArray);

        return mergedArray;
    }

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

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

        int[] mergedArray = mergeArray(arrayA, arrayB);

        System.out.println("Array A : "+Arrays.toString(arrayA));

        System.out.println("Array B : "+Arrays.toString(arrayB));

        System.out.println("Merged Array : "+Arrays.toString(mergedArray));
    }
}
```

OUTPUT

```
Array A : [12, -7, 18, 9, 37, -1, 21]
Array B : [27, 8, 71, -9, 18]
Merged Array : [-9, -7, -1, 8, 9, 12,
18, 18, 21, 27, 37, 71]
```

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

  public static void main(String[] args)
    {
        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)
    {
       int count = 0;
        if (!(" ".equals(str.substring(0, 1))) || !(" ".equals(str.substring(str.length() - 1))))
        {
            for (int i = 0; i < str.length(); i++)
            {
                if (str.charAt(i) == ' ')
                {
                    count++;
                }
            }
            count = count + 1;
        }
        return count; // returns 0 if string starts or ends with space " ".
    }
 }
```

```
  public static void main(String[] args)
    {
        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)
    {
       int count = 0;
        if (!(" ".equals(str.substring(0, 1)))
|| !(" ".equals(str.substring(str.length() -
1))))
        {
            for (int i = 0; i < str.length();
i++)
            {
                if (str.charAt(i) == ' ')
                {
                    count++;
                }
            }
            count = count + 1;
        }
        return count; // returns 0 if string
starts or ends with space " ".
    }
 }
```

OUTPUT

```
Input the string: Number of words in the
string: 1
```