```java
import java.util.Scanner;
public class AscendingOrder
{
    public static void main(String[] args)
    {
        int n, temp;
        Scanner s = new Scanner(System.in);
        System.out.println("Author :P.Kathyayani\n sap id: 51834723");
        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();
        }
```

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

```java
28          }
29          System.out.print("Ascending Order:");
30          for (int i = 0; i < n - 1; i++)
31          {
32              System.out.print(a[i] + ",");
33          }
34          System.out.print(a[n - 1]);
35      }
36  }
```

```
Author :P.Kathyayani
  sap id: 51834723
Enter no. of elements you want in array:5
Enter all the elements:
23
34
56
-65
2
Ascending Order:-65,2,23,34,56
Process finished.
```

```java
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:P.Kathyayani\nSAP ID:51834723");
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++;
```

```java
17        }

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

26        Arrays.sort(mergedArray);

28        return mergedArray;
29    }

31    public static void main(String[] args)
32    {
```

```java
33        int[] array1 = new int[] {12, 6,15,-10,56, 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 }
```

```
Author:P.Kathyayani
SAP ID:51834723
Array 1 : [12, 6, 15, -10, 56, 21]
Array 2 : [27, 8, 71, -9, 18]
Merged Array : [-10, -9, 6, 8, 12, 15, 18, 21, 27, 56, 71]

Process finished.
```

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

    public static void main(String[] args)

    {
        System.out.println ("Author:P.Kathyayani\n Sap id:51834723");
        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;
```

```java
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
32  }
```

```
Author:P.Kathyayani
 Sap id:51834723
Input the string: An apple a day keeps the doctor away
Number of words in the string: 8

Process finished.
```