



java_tech_1.java



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```
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 :K. Sudarshan Reddy "); System.out.print("Enter no. of elements you want in array:");
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    }
29 }
```

File info = i + 1; j < n; j++)





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```
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.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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java_tech_2.java



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```
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:K. Sudarshan Reddy\nSAP ID:51834730");
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)
```



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java_tech_2.java

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```
16     c++;
17 }
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};
```



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java_tech_2.java

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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 }
```



File info



Author:K. Sudarshan Reddy

SAP ID:51834730

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.

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java_tech_5.java

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```
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))))
```

Try Dcoder's keyboard



java_tech_5.java

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```
15 int count = 0;
16 if (!(" ".equals(str.substring(0, 1))) || !(" ".equals(str.substring(str.length() - 1))))
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 }
```



Try Dcoder's keyboard



Input the string: hello how are u doing hope all well!

Number of words in the string: 8

Process finished.