

JAVA.UTIL.ARRAYS.SORT METHOD

http://www.tutorialspoint.com/java/util/arrays_sort_byte_index.htm

Copyright © tutorialspoint.com

Description

The **java.util.Arrays.sort***byte[] a, int fromIndex, int toIndex* method sorts the specified range of the specified array of bytes into ascending numerical order. The range to be sorted extends from index *fromIndex*, inclusive, to index *toIndex*, exclusive.

Declaration

Following is the declaration for **java.util.Arrays.sort** method

```
public static void sort(byte[] a, int fromIndex, int toIndex)
```

Parameters

- **a** -- This is the array to be sorted.
- **fromIndex** -- This is the index of the first element *inclusive* to be sorted.
- **toIndex** -- This is the index of the last element *exclusive* to be sorted .

Return Value

This method does not return any value.

Exception

- **IllegalArgumentException** -- if fromIndex > toIndex
- **ArrayIndexOutOfBoundsException** -- if fromIndex < 0 or toIndex > a.length

Example

The following example shows the usage of java.util.Arrays.sort method.

```
package com.tutorialspoint;

import java.util.Arrays;

public class ArrayDemo {

    public static void main(String[] args) {

        // initializing unsorted byte array
        byte bArr[] = {10,7,4,37,29};

        // let us print all the elements available in list
        for (byte number : bArr) {
            System.out.println("Number = " + number);
        }

        // sorting array from index 1 to 4
        Arrays.sort(bArr, 1, 4);

        // let us print all the elements available in list
        System.out.println("Byte array with some sorted values(1 to 4) is:");
        for (byte number : bArr) {
            System.out.println("Number = " + number);
        }
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
Number = 10  
Number = 7  
Number = 4  
Number = 37  
Number = 29  
Byte array with some sorted values(1 to 4) is:  
Number = 10  
Number = 4  
Number = 7  
Number = 37  
Number = 29
```

Loading [Mathjax]/jax/output/HTML-CSS/jax.js