

JAVA.UTIL.ARRAYS.SORT METHOD

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

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Description

The **java.util.Arrays.sortShort(a, fromIndex, toIndex)** method sorts the specified range of the specified array of shorts 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(short[] 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 short array
        short sArr[] = {3, 13, 1, 9, 21};

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

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

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

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

```
Number = 3
Number = 13
Number = 1
Number = 9
Number = 21
short array with some sorted values(1 to 4) is:
Number = 3
Number = 1
Number = 9
Number = 13
Number = 21
```

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