

JAVA.UTIL.ARRAYS.SORT METHOD

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

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Description

The **java.util.Arrays.sortObject[]a, intfromIndex, intoIndex** method sorts the specified range of the specified array of objects into ascending order, according to the natural ordering of its elements. 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(Object[] 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
- **ClassCastException** -- if the array contains elements that are not mutually comparable
forexample, stringsandintegers

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 Object array
        Object ob[] = {27, 11, 5, 44};

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

        // sorting array from index 1 to 3
        Arrays.sort(ob, 1, 3);

        // let us print all the elements available in list
        System.out.println("Object array with some sorted values(1 to 3) is:");
        for (Object number : ob) {
            System.out.println("Number = " + number);
        }
    }
}
```

```
}  
}
```

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

```
Number = 27  
Number = 11  
Number = 5  
Number = 44  
Object array with some sorted values(1 to 3) is:  
Number = 27  
Number = 5  
Number = 11  
Number = 44
```

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