

JAVA.UTIL.COLLECTIONS.SORT METHOD

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

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Description

The **sort**`List < T >` method is used to sort the specified list into ascending order, according to the natural ordering of its element.

Declaration

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

```
public static <T extends Comparable<? super T>> void sort(List<T> list)
```

Parameters

- **list** -- This is the list to be sorted.

Return Value

- NA

Exception

- **ClassCastException** -- Throws if the list contains elements that are not mutually comparable *forexample, stringsandintegers.*
- **UnsupportedOperationException** -- Throws if the specified list's list-iterator does not support the set operation.

Example

The following example shows the usage of `java.util.Collections.sort`

```
package com.tutorialspoint;

import java.util.*;

public class CollectionsDemo {
    public static void main(String args[]) {
        // create an array of string objs
        String init[] = { "One", "Two", "Three", "One", "Two", "Three" };

        // create one list
        List list = new ArrayList(Arrays.asList(init));

        System.out.println("List value before: "+list);

        // sort the list
        Collections.sort(list);

        System.out.println("List value after sort: "+list);
    }
}
```

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

```
List value before: [One, Two, Three, One, Two, Three]
List value after sort: [One, One, Three, Three, Two, Two]
```

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