| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/NavigableSet.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/util//class-useNavigableSet.html)    [**NO FRAMES**](http://docs.google.com/NavigableSet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.util.NavigableSet**

| Packages that use [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) | |
| --- | --- |
| [**java.util**](#3znysh7) | Contains the collections framework, legacy collection classes, event model, date and time facilities, internationalization, and miscellaneous utility classes (a string tokenizer, a random-number generator, and a bit array). |
| [**java.util.concurrent**](#2et92p0) | Utility classes commonly useful in concurrent programming. |

| Uses of [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |

| Classes in [java.util](http://docs.google.com/java/util/package-summary.html) that implement [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) | |
| --- | --- |
| class | [**TreeSet<E>**](http://docs.google.com/java/util/TreeSet.html)            A [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) implementation based on a [TreeMap](http://docs.google.com/java/util/TreeMap.html). |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) that return [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) | |
| --- | --- |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/TreeMap.html)> | **TreeMap.**[**descendingKeySet**](http://docs.google.com/java/util/TreeMap.html#descendingKeySet())() |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/NavigableMap.html)> | **NavigableMap.**[**descendingKeySet**](http://docs.google.com/java/util/NavigableMap.html#descendingKeySet())()            Returns a reverse order [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) view of the keys contained in this map. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/TreeSet.html)> | **TreeSet.**[**descendingSet**](http://docs.google.com/java/util/TreeSet.html#descendingSet())() |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/NavigableSet.html)> | **NavigableSet.**[**descendingSet**](http://docs.google.com/java/util/NavigableSet.html#descendingSet())()            Returns a reverse order view of the elements contained in this set. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/TreeSet.html)> | **TreeSet.**[**headSet**](http://docs.google.com/java/util/TreeSet.html#headSet(E,%20boolean))([E](http://docs.google.com/java/util/TreeSet.html) toElement, boolean inclusive) |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/NavigableSet.html)> | **NavigableSet.**[**headSet**](http://docs.google.com/java/util/NavigableSet.html#headSet(E,%20boolean))([E](http://docs.google.com/java/util/NavigableSet.html) toElement, boolean inclusive)            Returns a view of the portion of this set whose elements are less than (or equal to, if inclusive is true) toElement. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/TreeMap.html)> | **TreeMap.**[**navigableKeySet**](http://docs.google.com/java/util/TreeMap.html#navigableKeySet())() |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/NavigableMap.html)> | **NavigableMap.**[**navigableKeySet**](http://docs.google.com/java/util/NavigableMap.html#navigableKeySet())()            Returns a [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) view of the keys contained in this map. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/TreeSet.html)> | **TreeSet.**[**subSet**](http://docs.google.com/java/util/TreeSet.html#subSet(E,%20boolean,%20E,%20boolean))([E](http://docs.google.com/java/util/TreeSet.html) fromElement, boolean fromInclusive, [E](http://docs.google.com/java/util/TreeSet.html) toElement, boolean toInclusive) |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/NavigableSet.html)> | **NavigableSet.**[**subSet**](http://docs.google.com/java/util/NavigableSet.html#subSet(E,%20boolean,%20E,%20boolean))([E](http://docs.google.com/java/util/NavigableSet.html) fromElement, boolean fromInclusive, [E](http://docs.google.com/java/util/NavigableSet.html) toElement, boolean toInclusive)            Returns a view of the portion of this set whose elements range from fromElement to toElement. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/TreeSet.html)> | **TreeSet.**[**tailSet**](http://docs.google.com/java/util/TreeSet.html#tailSet(E,%20boolean))([E](http://docs.google.com/java/util/TreeSet.html) fromElement, boolean inclusive) |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/NavigableSet.html)> | **NavigableSet.**[**tailSet**](http://docs.google.com/java/util/NavigableSet.html#tailSet(E,%20boolean))([E](http://docs.google.com/java/util/NavigableSet.html) fromElement, boolean inclusive)            Returns a view of the portion of this set whose elements are greater than (or equal to, if inclusive is true) fromElement. |

| Uses of [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
| --- | --- |

| Classes in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) that implement [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) | |
| --- | --- |
| class | [**ConcurrentSkipListSet<E>**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)            A scalable concurrent [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) implementation based on a [ConcurrentSkipListMap](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html). |

| Methods in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) that return [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) | |
| --- | --- |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html)> | **ConcurrentSkipListMap.**[**descendingKeySet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html#descendingKeySet())() |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html)> | **ConcurrentNavigableMap.**[**descendingKeySet**](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html#descendingKeySet())()            Returns a reverse order [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) view of the keys contained in this map. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> | **ConcurrentSkipListSet.**[**descendingSet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#descendingSet())()            Returns a reverse order view of the elements contained in this set. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> | **ConcurrentSkipListSet.**[**headSet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#headSet(E))([E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html) toElement) |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> | **ConcurrentSkipListSet.**[**headSet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#headSet(E,%20boolean))([E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html) toElement, boolean inclusive) |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html)> | **ConcurrentSkipListMap.**[**keySet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html#keySet())()            Returns a [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) view of the keys contained in this map. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html)> | **ConcurrentNavigableMap.**[**keySet**](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html#keySet())()            Returns a [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) view of the keys contained in this map. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html)> | **ConcurrentSkipListMap.**[**navigableKeySet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html#navigableKeySet())() |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[K](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html)> | **ConcurrentNavigableMap.**[**navigableKeySet**](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html#navigableKeySet())()            Returns a [NavigableSet](http://docs.google.com/java/util/NavigableSet.html) view of the keys contained in this map. |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> | **ConcurrentSkipListSet.**[**subSet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#subSet(E,%20boolean,%20E,%20boolean))([E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html) fromElement, boolean fromInclusive, [E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html) toElement, boolean toInclusive) |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> | **ConcurrentSkipListSet.**[**subSet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#subSet(E,%20E))([E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html) fromElement, [E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html) toElement) |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> | **ConcurrentSkipListSet.**[**tailSet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#tailSet(E))([E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html) fromElement) |
| [NavigableSet](http://docs.google.com/java/util/NavigableSet.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> | **ConcurrentSkipListSet.**[**tailSet**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#tailSet(E,%20boolean))([E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html) fromElement, boolean inclusive) |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/NavigableSet.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/util//class-useNavigableSet.html)    [**NO FRAMES**](http://docs.google.com/NavigableSet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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