| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/NavigableMap.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-useNavigableMap.html)    [**NO FRAMES**](http://docs.google.com/NavigableMap.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.util.NavigableMap**

| Packages that use [NavigableMap](http://docs.google.com/java/util/NavigableMap.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 [NavigableMap](http://docs.google.com/java/util/NavigableMap.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 [NavigableMap](http://docs.google.com/java/util/NavigableMap.html) | |
| --- | --- |
| class | [**TreeMap<K,V>**](http://docs.google.com/java/util/TreeMap.html)            A Red-Black tree based [NavigableMap](http://docs.google.com/java/util/NavigableMap.html) implementation. |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) that return [NavigableMap](http://docs.google.com/java/util/NavigableMap.html) | |
| --- | --- |
| [NavigableMap](http://docs.google.com/java/util/NavigableMap.html)<[K](http://docs.google.com/java/util/TreeMap.html),[V](http://docs.google.com/java/util/TreeMap.html)> | **TreeMap.**[**descendingMap**](http://docs.google.com/java/util/TreeMap.html#descendingMap())() |
| [NavigableMap](http://docs.google.com/java/util/NavigableMap.html)<[K](http://docs.google.com/java/util/NavigableMap.html),[V](http://docs.google.com/java/util/NavigableMap.html)> | **NavigableMap.**[**descendingMap**](http://docs.google.com/java/util/NavigableMap.html#descendingMap())()            Returns a reverse order view of the mappings contained in this map. |
| [NavigableMap](http://docs.google.com/java/util/NavigableMap.html)<[K](http://docs.google.com/java/util/TreeMap.html),[V](http://docs.google.com/java/util/TreeMap.html)> | **TreeMap.**[**headMap**](http://docs.google.com/java/util/TreeMap.html#headMap(K,%20boolean))([K](http://docs.google.com/java/util/TreeMap.html) toKey, boolean inclusive) |
| [NavigableMap](http://docs.google.com/java/util/NavigableMap.html)<[K](http://docs.google.com/java/util/NavigableMap.html),[V](http://docs.google.com/java/util/NavigableMap.html)> | **NavigableMap.**[**headMap**](http://docs.google.com/java/util/NavigableMap.html#headMap(K,%20boolean))([K](http://docs.google.com/java/util/NavigableMap.html) toKey, boolean inclusive)            Returns a view of the portion of this map whose keys are less than (or equal to, if inclusive is true) toKey. |
| [NavigableMap](http://docs.google.com/java/util/NavigableMap.html)<[K](http://docs.google.com/java/util/TreeMap.html),[V](http://docs.google.com/java/util/TreeMap.html)> | **TreeMap.**[**subMap**](http://docs.google.com/java/util/TreeMap.html#subMap(K,%20boolean,%20K,%20boolean))([K](http://docs.google.com/java/util/TreeMap.html) fromKey, boolean fromInclusive, [K](http://docs.google.com/java/util/TreeMap.html) toKey, boolean toInclusive) |
| [NavigableMap](http://docs.google.com/java/util/NavigableMap.html)<[K](http://docs.google.com/java/util/NavigableMap.html),[V](http://docs.google.com/java/util/NavigableMap.html)> | **NavigableMap.**[**subMap**](http://docs.google.com/java/util/NavigableMap.html#subMap(K,%20boolean,%20K,%20boolean))([K](http://docs.google.com/java/util/NavigableMap.html) fromKey, boolean fromInclusive, [K](http://docs.google.com/java/util/NavigableMap.html) toKey, boolean toInclusive)            Returns a view of the portion of this map whose keys range from fromKey to toKey. |
| [NavigableMap](http://docs.google.com/java/util/NavigableMap.html)<[K](http://docs.google.com/java/util/TreeMap.html),[V](http://docs.google.com/java/util/TreeMap.html)> | **TreeMap.**[**tailMap**](http://docs.google.com/java/util/TreeMap.html#tailMap(K,%20boolean))([K](http://docs.google.com/java/util/TreeMap.html) fromKey, boolean inclusive) |
| [NavigableMap](http://docs.google.com/java/util/NavigableMap.html)<[K](http://docs.google.com/java/util/NavigableMap.html),[V](http://docs.google.com/java/util/NavigableMap.html)> | **NavigableMap.**[**tailMap**](http://docs.google.com/java/util/NavigableMap.html#tailMap(K,%20boolean))([K](http://docs.google.com/java/util/NavigableMap.html) fromKey, boolean inclusive)            Returns a view of the portion of this map whose keys are greater than (or equal to, if inclusive is true) fromKey. |

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

| Subinterfaces of [NavigableMap](http://docs.google.com/java/util/NavigableMap.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
| --- | --- |
| interface | [**ConcurrentNavigableMap<K,V>**](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html)            A [ConcurrentMap](http://docs.google.com/java/util/concurrent/ConcurrentMap.html) supporting [NavigableMap](http://docs.google.com/java/util/NavigableMap.html) operations, and recursively so for its navigable sub-maps. |

| Classes in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) that implement [NavigableMap](http://docs.google.com/java/util/NavigableMap.html) | |
| --- | --- |
| class | [**ConcurrentSkipListMap<K,V>**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListMap.html)            A scalable concurrent [ConcurrentNavigableMap](http://docs.google.com/java/util/concurrent/ConcurrentNavigableMap.html) implementation. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/NavigableMap.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-useNavigableMap.html)    [**NO FRAMES**](http://docs.google.com/NavigableMap.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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