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

**Uses of Interface**

**java.util.Queue**

| Packages that use [Queue](http://docs.google.com/java/util/Queue.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 [Queue](http://docs.google.com/java/util/Queue.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Queue](http://docs.google.com/java/util/Queue.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |
| interface | [**Deque<E>**](http://docs.google.com/java/util/Deque.html)            A linear collection that supports element insertion and removal at both ends. |

| Classes in [java.util](http://docs.google.com/java/util/package-summary.html) that implement [Queue](http://docs.google.com/java/util/Queue.html) | |
| --- | --- |
| class | [**AbstractQueue<E>**](http://docs.google.com/java/util/AbstractQueue.html)            This class provides skeletal implementations of some [Queue](http://docs.google.com/java/util/Queue.html) operations. |
| class | [**ArrayDeque<E>**](http://docs.google.com/java/util/ArrayDeque.html)            Resizable-array implementation of the [Deque](http://docs.google.com/java/util/Deque.html) interface. |
| class | [**LinkedList<E>**](http://docs.google.com/java/util/LinkedList.html)            Linked list implementation of the List interface. |
| class | [**PriorityQueue<E>**](http://docs.google.com/java/util/PriorityQueue.html)            An unbounded priority [queue](http://docs.google.com/java/util/Queue.html) based on a priority heap. |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) that return [Queue](http://docs.google.com/java/util/Queue.html) | |
| --- | --- |
| static   | <T> [Queue](http://docs.google.com/java/util/Queue.html)<T> | | --- | | **Collections.**[**asLifoQueue**](http://docs.google.com/java/util/Collections.html#asLifoQueue(java.util.Deque))([Deque](http://docs.google.com/java/util/Deque.html)<T> deque)            Returns a view of a [Deque](http://docs.google.com/java/util/Deque.html) as a Last-in-first-out (Lifo) [Queue](http://docs.google.com/java/util/Queue.html). |

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

| Subinterfaces of [Queue](http://docs.google.com/java/util/Queue.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
| --- | --- |
| interface | [**BlockingDeque<E>**](http://docs.google.com/java/util/concurrent/BlockingDeque.html)            A [Deque](http://docs.google.com/java/util/Deque.html) that additionally supports blocking operations that wait for the deque to become non-empty when retrieving an element, and wait for space to become available in the deque when storing an element. |
| interface | [**BlockingQueue<E>**](http://docs.google.com/java/util/concurrent/BlockingQueue.html)            A [Queue](http://docs.google.com/java/util/Queue.html) that additionally supports operations that wait for the queue to become non-empty when retrieving an element, and wait for space to become available in the queue when storing an element. |

| Classes in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) that implement [Queue](http://docs.google.com/java/util/Queue.html) | |
| --- | --- |
| class | [**ArrayBlockingQueue<E>**](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html)            A bounded [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) backed by an array. |
| class | [**ConcurrentLinkedQueue<E>**](http://docs.google.com/java/util/concurrent/ConcurrentLinkedQueue.html)            An unbounded thread-safe [queue](http://docs.google.com/java/util/Queue.html) based on linked nodes. |
| class | [**DelayQueue<E extends Delayed>**](http://docs.google.com/java/util/concurrent/DelayQueue.html)            An unbounded [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) of Delayed elements, in which an element can only be taken when its delay has expired. |
| class | [**LinkedBlockingDeque<E>**](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html)            An optionally-bounded [blocking deque](http://docs.google.com/java/util/concurrent/BlockingDeque.html) based on linked nodes. |
| class | [**LinkedBlockingQueue<E>**](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html)            An optionally-bounded [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) based on linked nodes. |
| class | [**PriorityBlockingQueue<E>**](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html)            An unbounded [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) that uses the same ordering rules as class [PriorityQueue](http://docs.google.com/java/util/PriorityQueue.html) and supplies blocking retrieval operations. |
| class | [**SynchronousQueue<E>**](http://docs.google.com/java/util/concurrent/SynchronousQueue.html)            A [blocking queue](http://docs.google.com/java/util/concurrent/BlockingQueue.html) in which each insert operation must wait for a corresponding remove operation by another thread, and vice versa. |

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