**Methods in PriorityQueue class**

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| [add(E e)](https://www.geeksforgeeks.org/priorityqueue-add-method-in-java/) | Inserts the specified element into this priority queue. |
| [clear()](https://www.geeksforgeeks.org/priorityqueue-clear-method-in-java/#:~:text=clear()%20method%20is%20used,only%20empty%20an%20existing%20PriorityQueue.) | Removes all of the elements from this priority queue. |
| [comparator()](https://www.geeksforgeeks.org/priorityqueue-comparator-method-in-java/) | Returns the comparator used to order the elements in this queue, or null if this queue is sorted according to the natural ordering of its elements. |
| [contains​(Object o)](https://www.geeksforgeeks.org/priorityqueue-contains-method-in-java/#:~:text=PriorityQueue.,any%20particular%20element%20or%20not.&text=Return%20Value%3A%20The%20method%20returns,queue%20otherwise%20it%20returns%20False.) | Returns true if this queue contains the specified element. |
| forEach​(Consumer<? super E> action) | Performs the given action for each element of the Iterable until all elements have been processed or the action throws an exception. |
| [iterator()](https://www.geeksforgeeks.org/priorityqueue-iterator-method-in-java/) | Returns an iterator over the elements in this queue. |
| [offer​(E e)](https://www.geeksforgeeks.org/priorityqueue-offer-method-in-java/) | Inserts the specified element into this priority queue. |
| [remove​(Object o)](https://www.geeksforgeeks.org/priorityqueue-remove-method-in-java/) | Removes a single instance of the specified element from this queue, if it is present. |
| removeAll​(Collection<?> c) | Removes all of this collection’s elements that are also contained in the specified collection (optional operation). |
| removeIf​(Predicate<? super E> filter) | Removes all of the elements of this collection that satisfy the given predicate. |
| retainAll​(Collection<?> c) | Retains only the elements in this collection that are contained in the specified collection (optional operation). |
| [spliterator()](https://www.geeksforgeeks.org/priorityqueue-spliterator-method-in-java/) | Creates a late-binding and fail-fast Spliterator over the elements in this queue. |
| [toArray()](https://www.geeksforgeeks.org/priorityqueue-toarray-method-in-java/#:~:text=toArray(arr%5B%5D)%20method%20in,the%20previous%20method%20without%20parameters.) | Returns an array containing all of the elements in this queue. |
| [toArray​(T[] a)](https://www.geeksforgeeks.org/priorityqueue-toarray-method-in-java/#:~:text=toArray(arr%5B%5D)%20method%20in,the%20previous%20method%20without%20parameters.) | Returns an array containing all of the elements in this queue; the runtime type of the returned array is that of the specified array. |

**Methods Declared in class java.util.AbstractQueue**

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| [addAll(Collection<? extends E> c)](https://www.geeksforgeeks.org/abstractqueue-addall-method-in-java-with-examples/) | Adds all of the elements in the specified collection to this queue. |
| [element()](https://www.geeksforgeeks.org/abstractqueue-element-method-in-java-with-examples/) | Retrieves, but does not remove, the head of this queue. |
| [remove()](https://www.geeksforgeeks.org/abstractqueue-remove-method-in-java-with-examples/#:~:text=The%20remove()%20method%20of,the%20head%20of%20this%20queue.&text=Parameters%3A%20This%20method%20does%20not,if%20the%20queue%20is%20empty.) | Retrieves and removes the head of this queue. |

**Methods Declared in class java.util.AbstractCollection**

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| [containsAll(Collection<?> c)](https://www.geeksforgeeks.org/abstractcollection-containsall-method-in-java-with-examples/) | Returns true if this collection contains all of the elements in the specified collection. |
| [isEmpty()](https://www.geeksforgeeks.org/abstractcollection-isempty-method-in-java-with-examples/) | Returns true if this collection contains no elements. |
| [toString()](https://www.geeksforgeeks.org/abstractcollection-tostring-method-in-java-with-examples/) | Returns a string representation of this collection. |

**Methods Declared in interface java.util.Collection**

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| containsAll(Collection<?> c) | Returns true if this collection contains all of the elements in the specified collection. |
| equals(Object o) | Compares the specified object with this collection for equality. |
| hashCode() | Returns the hash code value for this collection. |
| isEmpty() | Returns true if this collection contains no elements. |
| parallelStream() | Returns a possibly parallel Stream with this collection as its source. |
| size() | Returns the number of elements in this collection. |
| stream() | Returns a sequential Stream with this collection as its source. |
| toArray(IntFunction<T[]> generator) | Returns an array containing all of the elements in this collection, using the provided generator function to allocate the returned array. |

**Methods Declared in interface java.util.Queue**

| **METHOD** | **DESCRIPTION** |
| --- | --- |
| [peek()](https://www.geeksforgeeks.org/queue-peek-method-in-java/) | Retrieves, but does not remove, the head of this queue, or returns null if this queue is empty. |
| [poll()](https://www.geeksforgeeks.org/queue-poll-method-in-java/) | Retrieves and removes the head of this queue, or returns null if this queue is empty. |