



Java LinkedList Methods

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All LinkedList Methods

A list of all LinkedList methods can be found in the table below.

Some methods use the type of the LinkedList's items as a parameter or return value. This type will be referred to as *T* in the table.

Method	Description	Return Type
<u>add()</u>	Add an item to the list	boolean void
<u>addAll()</u>	Add a collection of items to the list	boolean
<u>addFirst()</u>	Adds an item to the beginning of the list	void
<u>addLast()</u>	Adds an item to the end of the list	void
<u>clear()</u>	Remove all items from the list	void
<u>clone()</u>	Create a copy of the LinkedList	Object
<u>contains()</u>	Checks whether an item exist in the list	boolean
<u>descendingIterator()</u>	Returns an iterator to loop through the items of the list in reverse order	
<u>element()</u>	Retrieves the first item in the list Similar to <u>getFirst()</u> .	
<u>forEach()</u>	Perform an action on every item in the list	void



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<u>getLast()</u>	Returns the last item in the list	<i>T</i>
<u>indexOf()</u>	Return the position of the first occurrence of an item in the list	int
<u>isEmpty()</u>	Checks whether the list is empty	boolean
<u>iterator()</u>	Return an Iterator object for the LinkedList	Iterator
<u>lastIndexOf()</u>	Return the position of the last occurrence of an item in the list	int
<u>listIterator()</u>	Return a ListIterator object for the LinkedList	ListIterator
offer()	Adds an item at the end of the list	
offerFirst()	Adds an item at the beginning of the list	
offerLast()	Adds an item at the end of the list	
peek()	Retrieves the first item in the list Similar to <u>getFirst()</u>	
peekFirst()	Retrieves the first item in the list. Similar to <u>peek()</u>	
peekLast()	Retrieves the last item in the list	
poll()	Retrieves and removes the first item in the list.	
pollFirst()	Retrieves and removes the first item in the list. Similar to <u>poll()</u>	
pollLast()	Retrieves and removes the last item in the list.	
pop()	Returns the first element in the list. Similar to <u>removeFirst()</u>	
push()	Adds an item to the beginning of the list. Similar to <u>addFirst()</u>	
<u>remove()</u>	Remove an item from the list	boolean <i>T</i>



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<code>removeFirstOccurrence()</code>	Removes the first occurrence of a specified item in the list	
<code><u>removeIf()</u></code>	Remove all items from the list which meet a specified condition	boolean
<code><u>removeLast()</u></code>	Removes the last item in the list	<i>T</i>
<code>removeLastOccurrence()</code>	Removes the last occurrence of a specified item in the list	
<code><u>replaceAll()</u></code>	Replace each item in the list with the result of an operation on that item	void
<code><u>retainAll()</u></code>	Remove all elements from the list which do not belong to a specified collection	boolean
<code><u>set()</u></code>	Replace an item at a specified position in the list	<i>T</i>
<code><u>size()</u></code>	Return the number of items in the list	int
<code><u>sort()</u></code>	Sort the list	void
<code><u>spliterator()</u></code>	Return a Spliterator object for the LinkedList	Spliterator
<code><u>subList()</u></code>	Return a sublist which provides access to a range of this list's items	List
<code><u>toArray()</u></code>	Return an array containing the list's items	Object[]

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