



# Java ArrayList Methods

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## All ArrayList Methods

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

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

Method	Description	Return Type
<a href="#"><u>add()</u></a>	Add an item to the list	boolean void
<a href="#"><u>addAll()</u></a>	Add a collection of items to the list	boolean
<a href="#"><u>clear()</u></a>	Remove all items from the list	void
<a href="#"><u>clone()</u></a>	Create a copy of the ArrayList	Object
<a href="#"><u>contains()</u></a>	Checks whether an item exist in the list	boolean
<a href="#"><u>ensureCapacity()</u></a>	Increase the capacity of the list to be able to fit a specified number of items	void
<a href="#"><u>forEach()</u></a>	Perform an action on every item in the list	void
<a href="#"><u>get()</u></a>	Return the item at a specific position in the list	<i>T</i>
<a href="#"><u>indexOf()</u></a>	Return the position of the first occurrence of an item in the list	int
<a href="#"><u>isEmpty()</u></a>	Checks whether the list is empty	boolean



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<u><a href="#">listIterator()</a></u>	Return a <b>ListIterator</b> object for the <b>ArrayList</b>	ListIterator
<u><a href="#">remove()</a></u>	Remove an item from the list	boolean T
<u><a href="#">removeAll()</a></u>	Remove a collection of items from the list	boolean
<u><a href="#">removeIf()</a></u>	Remove all items from the list which meet a specified condition	boolean
<u><a href="#">replaceAll()</a></u>	Replace each item in the list with the result of an operation on that item	void
<u><a href="#">retainAll()</a></u>	Remove all elements from the list which do not belong to a specified collection	boolean
<u><a href="#">set()</a></u>	Replace an item at a specified position in the list	T
<u><a href="#">size()</a></u>	Return the number of items in the list	int
<u><a href="#">sort()</a></u>	Sort the list	void
<u><a href="#">splitIterator()</a></u>	Return a <b>SplitIterator</b> object for the <b>ArrayList</b>	SplitIterator
<u><a href="#">subList()</a></u>	Return a sublist which provides access to a range of this list's items	List
<u><a href="#">toArray()</a></u>	Return an array containing the list's items	Object[]
<u><a href="#">trimToSize()</a></u>	Reduce the capacity of the list to match the number of items if necessary	Object[]

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