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org.apache.commons.collections4.iterators

## Class EmptyListIterator<E>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.iterators.EmptyListIterator<E>
* All Implemented Interfaces: [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<E>, [ListIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true)<E>, [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)<E>, [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E>, [ResettableListIterator](http://docs.google.com/org/apache/commons/collections4/ResettableListIterator.html)<E>  
    
  public class EmptyListIterator<E>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [ResettableListIterator](http://docs.google.com/org/apache/commons/collections4/ResettableListIterator.html)<E>  
  Provides an implementation of an empty list iterator.  
  This class provides an implementation of an empty list iterator. This class provides for binary compatibility between Commons Collections 2.1.1 and 3.1 due to issues with IteratorUtils.Since: 2.1.1 and 3.1

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + static [ListIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true) | * + [INSTANCE](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#INSTANCE) Singleton instance of the iterator. |
| * + static [ResettableListIterator](http://docs.google.com/org/apache/commons/collections4/ResettableListIterator.html) | * + [RESETTABLE\_INSTANCE](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#RESETTABLE_INSTANCE) Singleton instance of the iterator. |

### Constructor SummaryConstructors

|  |  |
| --- | --- |
| * + Modifier | * + Constructor and Description |
| * + protected | * + [EmptyListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#EmptyListIterator--)() Constructor. |

### Method SummaryAll Methods Static Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [add](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#add-E-)(E obj) |
| * + static <E> [ListIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true)<E> | * + [emptyListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#emptyListIterator--)() Get a typed instance of the iterator. |
| * + boolean | * + [hasNext](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#hasNext--)() |
| * + boolean | * + [hasPrevious](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#hasPrevious--)() |
| * + E | * + [next](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#next--)() |
| * + int | * + [nextIndex](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#nextIndex--)() |
| * + E | * + [previous](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#previous--)() |
| * + int | * + [previousIndex](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#previousIndex--)() |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#remove--)() |
| * + void | * + [reset](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#reset--)() |
| * + static <E> [ResettableListIterator](http://docs.google.com/org/apache/commons/collections4/ResettableListIterator.html)<E> | * + [resettableEmptyListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#resettableEmptyListIterator--)() Get a typed instance of the iterator. |
| * + void | * + [set](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html#set-E-)(E obj) |

### Methods inherited from class java.lang.[**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[clone](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#clone--), [equals](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-), [finalize](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#finalize--), [getClass](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#getClass--), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#hashCode--), [notify](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notify--), [notifyAll](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notifyAll--), [toString](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#toString--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-int-)

### Methods inherited from interface java.util.[**ListIterator**](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true)[add](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true#add-E-), [hasNext](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true#hasNext--), [hasPrevious](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true#hasPrevious--), [next](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true#next--), [nextIndex](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true#nextIndex--), [previous](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true#previous--), [previousIndex](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true#previousIndex--), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true#remove--), [set](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true#set-E-)

### Methods inherited from interface org.apache.commons.collections4.[**ResettableIterator**](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)[reset](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html#reset--)

### Methods inherited from interface org.apache.commons.collections4.[**OrderedIterator**](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)[hasPrevious](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html#hasPrevious--), [previous](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html#previous--)

### Methods inherited from interface java.util.[**Iterator**](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)[forEachRemaining](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#forEachRemaining-java.util.function.Consumer-)

### Field Detail

#### RESETTABLE\_INSTANCE public static final [ResettableListIterator](http://docs.google.com/org/apache/commons/collections4/ResettableListIterator.html) RESETTABLE\_INSTANCE Singleton instance of the iterator.Since: 3.1

#### INSTANCE public static final [ListIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true) INSTANCE Singleton instance of the iterator.Since: 2.1.1 and 3.1

### Constructor Detail

#### EmptyListIterator protected EmptyListIterator() Constructor.

### Method Detail

#### resettableEmptyListIterator public static <E> [ResettableListIterator](http://docs.google.com/org/apache/commons/collections4/ResettableListIterator.html)<E> resettableEmptyListIterator() Get a typed instance of the iterator.Type Parameters: E - the element type Returns: [ResettableListIterator](http://docs.google.com/org/apache/commons/collections4/ResettableListIterator.html)<E>

#### emptyListIterator public static <E> [ListIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true)<E> emptyListIterator() Get a typed instance of the iterator.Type Parameters: E - the element type Returns: [ListIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true)<E>

#### hasNext public boolean hasNext()

#### next public E next()

#### hasPrevious public boolean hasPrevious()

#### previous public E previous()

#### nextIndex public int nextIndex()

#### previousIndex public int previousIndex()

#### add public void add(E obj)

#### set public void set(E obj)

#### remove public void remove()

#### reset public void reset()

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