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[Skip navigation links](#1fob9te)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/EmptyOrderedIterator.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyMapIterator.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedMapIterator.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/iterators/EmptyOrderedIterator.html)
* [No Frames](http://docs.google.com/EmptyOrderedIterator.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#2et92p0) |
* [Method](#tyjcwt)
* Detail:
* [Field](#17dp8vu) |
* [Constr](#26in1rg) |
* [Method](#35nkun2)

org.apache.commons.collections4.iterators

## Class EmptyOrderedIterator<E>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.iterators.EmptyOrderedIterator<E>
* Type Parameters: E - the type to iterate. All Implemented Interfaces: [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.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>  
    
  public class EmptyOrderedIterator<E>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)<E>, [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E>  
  Provides an implementation of an empty ordered iterator.Since: 3.1

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + static [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html) | * + [INSTANCE](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#INSTANCE) Singleton instance of the iterator. |

### Constructor SummaryConstructors

|  |  |
| --- | --- |
| * + Modifier | * + Constructor and Description |
| * + protected | * + [EmptyOrderedIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#EmptyOrderedIterator--)() 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/EmptyOrderedIterator.html#add-E-)(E obj) |
| * + static <E> [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)<E> | * + [emptyOrderedIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#emptyOrderedIterator--)() Typed instance of the iterator. |
| * + boolean | * + [hasNext](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#hasNext--)() |
| * + boolean | * + [hasPrevious](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#hasPrevious--)() |
| * + E | * + [next](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#next--)() |
| * + int | * + [nextIndex](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#nextIndex--)() |
| * + E | * + [previous](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#previous--)() |
| * + int | * + [previousIndex](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#previousIndex--)() |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#remove--)() |
| * + void | * + [reset](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html#reset--)() |
| * + void | * + [set](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.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 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 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 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-), [hasNext](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#hasNext--), [next](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#next--), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#remove--)

### Field Detail

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

### Constructor Detail

#### EmptyOrderedIterator protected EmptyOrderedIterator() Constructor.

### Method Detail

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

[Skip navigation links](#2p2csry)

* [Overview](http://docs.google.com/overview-summary.html)
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* Class
* [Use](http://docs.google.com/class-use/EmptyOrderedIterator.html)
* [Tree](http://docs.google.com/package-tree.html)
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* [Prev Class](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyMapIterator.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedMapIterator.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/iterators/EmptyOrderedIterator.html)
* [No Frames](http://docs.google.com/EmptyOrderedIterator.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#2et92p0) |
* [Method](#tyjcwt)
* Detail:
* [Field](#17dp8vu) |
* [Constr](#26in1rg) |
* [Method](#35nkun2)

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