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org.apache.commons.collections4.iterators

## Class SingletonIterator<E>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.iterators.SingletonIterator<E>
* All Implemented Interfaces: [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<E>, [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E>  
    
  public class SingletonIterator<E>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E>  
  SingletonIterator is an [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true) over a single object instance.Since: 2.0

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [SingletonIterator](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html#SingletonIterator-E-)([E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html) object) Constructs a new SingletonIterator where remove is a permitted operation. |
| * + [SingletonIterator](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html#SingletonIterator-E-boolean-)([E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html) object, boolean removeAllowed) Constructs a new SingletonIterator optionally choosing if remove is a permitted operation. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [hasNext](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html#hasNext--)() Is another object available from the iterator? |
| * + [E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html) | * + [next](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html#next--)() Get the next object from the iterator. |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html#remove--)() Remove the object from this iterator. |
| * + void | * + [reset](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html#reset--)() Reset the iterator to the start. |

### 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.[**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-)

### Constructor Detail

#### SingletonIterator public SingletonIterator([E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html) object) Constructs a new SingletonIterator where remove is a permitted operation.Parameters: object - the single object to return from the iterator

#### SingletonIterator public SingletonIterator([E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html) object, boolean removeAllowed) Constructs a new SingletonIterator optionally choosing if remove is a permitted operation.Parameters: object - the single object to return from the iterator removeAllowed - true if remove is allowed Since: 3.1

### Method Detail

#### hasNext public boolean hasNext() Is another object available from the iterator? This returns true if the single object hasn't been returned yet.Specified by: [hasNext](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#hasNext--) in interface [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html)> Returns: true if the single object hasn't been returned yet

#### next public [E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html) next() Get the next object from the iterator. This returns the single object if it hasn't been returned yet.Specified by: [next](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#next--) in interface [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html)> Returns: the single object Throws: [NoSuchElementException](https://docs.oracle.com/javase/7/docs/api/java/util/NoSuchElementException.html?is-external=true) - if the single object has already been returned

#### remove public void remove() Remove the object from this iterator.Specified by: [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#remove--) in interface [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html)> Throws: [IllegalStateException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalStateException.html?is-external=true) - if the next method has not yet been called, or the remove method has already been called after the last call to the next method. [UnsupportedOperationException](https://docs.oracle.com/javase/7/docs/api/java/lang/UnsupportedOperationException.html?is-external=true) - if remove is not supported

#### reset public void reset() Reset the iterator to the start.Specified by: [reset](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html#reset--) in interface [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<[E](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html)>

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