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org.apache.commons.collections4.iterators

## Class IteratorEnumeration<E>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.iterators.IteratorEnumeration<E>
* All Implemented Interfaces: [Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<E>  
    
  public class IteratorEnumeration<E>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<E>  
  Adapter to make an [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true) instance appear to be an [Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true) instance.Since: 1.0

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [IteratorEnumeration](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html#IteratorEnumeration--)() Constructs a new IteratorEnumeration that will not function until [setIterator](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html#setIterator-java.util.Iterator-) is invoked. |
| * + [IteratorEnumeration](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html#IteratorEnumeration-java.util.Iterator-)([Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html)> iterator) Constructs a new IteratorEnumeration that will use the given iterator. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html)> | * + [getIterator](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html#getIterator--)() Returns the underlying iterator. |
| * + boolean | * + [hasMoreElements](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html#hasMoreElements--)() Returns true if the underlying iterator has more elements. |
| * + [E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html) | * + [nextElement](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html#nextElement--)() Returns the next element from the underlying iterator. |
| * + void | * + [setIterator](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html#setIterator-java.util.Iterator-)([Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html)> iterator) Sets the underlying iterator. |

### 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-)

### Constructor Detail

#### IteratorEnumeration public IteratorEnumeration() Constructs a new IteratorEnumeration that will not function until [setIterator](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html#setIterator-java.util.Iterator-) is invoked.

#### IteratorEnumeration public IteratorEnumeration([Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html)> iterator) Constructs a new IteratorEnumeration that will use the given iterator.Parameters: iterator - the iterator to use

### Method Detail

#### hasMoreElements public boolean hasMoreElements() Returns true if the underlying iterator has more elements.Specified by: [hasMoreElements](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true#hasMoreElements--) in interface [Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html)> Returns: true if the underlying iterator has more elements

#### nextElement public [E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html) nextElement() Returns the next element from the underlying iterator.Specified by: [nextElement](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true#nextElement--) in interface [Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html)> Returns: the next element from the underlying iterator. Throws: [NoSuchElementException](https://docs.oracle.com/javase/7/docs/api/java/util/NoSuchElementException.html?is-external=true) - if the underlying iterator has no more elements

#### getIterator public [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html)> getIterator() Returns the underlying iterator.Returns: the underlying iterator

#### setIterator public void setIterator([Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/IteratorEnumeration.html)> iterator) Sets the underlying iterator.Parameters: iterator - the new underlying iterator

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