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org.apache.commons.collections4.iterators

## Class AbstractEmptyMapIterator<K,V>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.iterators.AbstractEmptyMapIterator<K,V>
* Type Parameters: K - the type of keys V - the type of mapped values Direct Known Subclasses: [EmptyMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyMapIterator.html), [EmptyOrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedMapIterator.html)  
    
  public abstract class AbstractEmptyMapIterator<K,V>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  Provides an implementation of an empty map iterator.Since: 4.0

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [AbstractEmptyMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#AbstractEmptyMapIterator--)() Create a new AbstractEmptyMapIterator. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [add](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#add-E-)(E obj) |
| * + [K](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html) | * + [getKey](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#getKey--)() |
| * + [V](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html) | * + [getValue](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#getValue--)() |
| * + boolean | * + [hasNext](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#hasNext--)() |
| * + boolean | * + [hasPrevious](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#hasPrevious--)() |
| * + E | * + [next](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#next--)() |
| * + int | * + [nextIndex](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#nextIndex--)() |
| * + E | * + [previous](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#previous--)() |
| * + int | * + [previousIndex](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#previousIndex--)() |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#remove--)() |
| * + void | * + [reset](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#reset--)() |
| * + void | * + [set](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#set-E-)(E obj) |
| * + [V](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html) | * + [setValue](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html#setValue-V-)([V](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html) value) |

### 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

#### AbstractEmptyMapIterator public AbstractEmptyMapIterator() Create a new AbstractEmptyMapIterator.

### Method Detail

#### getKey public [K](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html) getKey()

#### getValue public [V](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html) getValue()

#### setValue public [V](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html) setValue([V](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractEmptyMapIterator.html) value)

#### 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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