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org.apache.commons.collections4

## Interface OrderedMapIterator<K,V>

* Type Parameters: K - the type of the keys in the map V - the type of the values in the map All Superinterfaces: [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<K>, [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)<K,V>, [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)<K> All Known Implementing Classes: [AbstractLinkedMap.LinkMapIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html), [AbstractOrderedMapIteratorDecorator](http://docs.google.com/org/apache/commons/collections4/iterators/AbstractOrderedMapIteratorDecorator.html), [AbstractSortedMapDecorator.SortedMapIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractSortedMapDecorator.SortedMapIterator.html), [DualTreeBidiMap.BidiOrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.BidiOrderedMapIterator.html), [EmptyOrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedMapIterator.html), [UnmodifiableOrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/UnmodifiableOrderedMapIterator.html)  
    
  public interface OrderedMapIterator<K,V>  
  extends [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)<K,V>, [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)<K>  
  Defines an iterator that operates over an ordered Map.  
  This iterator allows both forward and reverse iteration through the map.Since: 3.0

### Method SummaryAll Methods Instance Methods Abstract Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [hasPrevious](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html#hasPrevious--)() Checks to see if there is a previous entry that can be iterated to. |
| * + [K](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html) | * + [previous](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html#previous--)() Gets the previous *key* from the Map. |

### Methods inherited from interface org.apache.commons.collections4.[**MapIterator**](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)[getKey](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#getKey--), [getValue](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#getValue--), [hasNext](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#hasNext--), [next](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#next--), [remove](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#remove--), [setValue](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#setValue-V-)

### 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-)

### Method Detail

#### hasPrevious boolean hasPrevious() Checks to see if there is a previous entry that can be iterated to.Specified by: [hasPrevious](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html#hasPrevious--) in interface [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)<[K](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html)> Returns: true if the iterator has a previous element

#### previous [K](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html) previous() Gets the previous *key* from the Map.Specified by: [previous](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html#previous--) in interface [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)<[K](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html)> Returns: the previous key in the iteration Throws: [NoSuchElementException](https://docs.oracle.com/javase/7/docs/api/java/util/NoSuchElementException.html?is-external=true) - if the iteration is finished

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