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015 \* limitations under the License.  
016 \*/  
017package org.apache.commons.collections4;  
018  
019import java.util.Iterator;  
020  
021/\*\*  
022 \* Defines an iterator that operates over an ordered container. Subset of {@link java.util.ListIterator}.  
023 \* <p>  
024 \* This iterator allows both forward and reverse iteration through the container.  
025 \* </p>  
026 \*  
027 \* @param <E> the type of elements returned by this iterator  
028 \* @since 3.0  
029 \*/  
030public interface OrderedIterator<E> extends Iterator<E> {  
031  
032 /\*\*  
033 \* Checks to see if there is a previous element that can be iterated to.  
034 \*  
035 \* @return <code>true</code> if the iterator has a previous element  
036 \*/  
037 boolean hasPrevious();  
038  
039 /\*\*  
040 \* Gets the previous element from the container.  
041 \*  
042 \* @return the previous element in the iteration  
043 \* @throws java.util.NoSuchElementException if the iteration is finished  
044 \*/  
045 E previous();  
046  
047}