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016 \*/  
017package org.apache.commons.collections4.iterators;  
018  
019import java.util.ListIterator;  
020  
021import org.apache.commons.collections4.ResettableListIterator;  
022  
023/\*\*  
024 \* Provides an implementation of an empty list iterator.  
025 \* <p>  
026 \* This class provides an implementation of an empty list iterator. This class  
027 \* provides for binary compatibility between Commons Collections 2.1.1 and 3.1  
028 \* due to issues with <code>IteratorUtils</code>.  
029 \*  
030 \* @since 2.1.1 and 3.1  
031 \*/  
032public class EmptyListIterator<E> extends AbstractEmptyIterator<E> implements  
033 ResettableListIterator<E> {  
034  
035 /\*\*  
036 \* Singleton instance of the iterator.  
037 \* @since 3.1  
038 \*/  
039 @SuppressWarnings("rawtypes")  
040 public static final ResettableListIterator RESETTABLE\_INSTANCE = new EmptyListIterator<>();  
041  
042 /\*\*  
043 \* Singleton instance of the iterator.  
044 \* @since 2.1.1 and 3.1  
045 \*/  
046 @SuppressWarnings("rawtypes")  
047 public static final ListIterator INSTANCE = RESETTABLE\_INSTANCE;  
048  
049 /\*\*  
050 \* Get a typed instance of the iterator.  
051 \* @param <E> the element type  
052 \* @return {@link ResettableListIterator}<E>  
053 \*/  
054 public static <E> ResettableListIterator<E> resettableEmptyListIterator() {  
055 return RESETTABLE\_INSTANCE;  
056 }  
057  
058 /\*\*  
059 \* Get a typed instance of the iterator.  
060 \* @param <E> the element type  
061 \* @return {@link ListIterator}<E>  
062 \*/  
063 public static <E> ListIterator<E> emptyListIterator() {  
064 return INSTANCE;  
065 }  
066  
067 /\*\*  
068 \* Constructor.  
069 \*/  
070 protected EmptyListIterator() {  
071 super();  
072 }  
073  
074}