| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/text/CharacterIterator.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/text//class-useCharacterIterator.html)    [**NO FRAMES**](http://docs.google.com/CharacterIterator.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.text.CharacterIterator**

| Packages that use [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.text**](#2et92p0) | Provides classes and interfaces for handling text, dates, numbers, and messages in a manner independent of natural languages. |
| [**javax.swing.text**](#tyjcwt) | Provides classes and interfaces that deal with editable and noneditable text components. |

| Uses of [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) | |
| --- | --- |
| int | **Font.**[**canDisplayUpTo**](http://docs.google.com/java/awt/Font.html#canDisplayUpTo(java.text.CharacterIterator,%20int,%20int))([CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) iter, int start, int limit)            Indicates whether or not this Font can display the text specified by the iter starting at start and ending at limit. |
| [GlyphVector](http://docs.google.com/java/awt/font/GlyphVector.html) | **Font.**[**createGlyphVector**](http://docs.google.com/java/awt/Font.html#createGlyphVector(java.awt.font.FontRenderContext,%20java.text.CharacterIterator))([FontRenderContext](http://docs.google.com/java/awt/font/FontRenderContext.html) frc, [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) ci)            Creates a [GlyphVector](http://docs.google.com/java/awt/font/GlyphVector.html) by mapping the specified characters to glyphs one-to-one based on the Unicode cmap in this Font. |
| [LineMetrics](http://docs.google.com/java/awt/font/LineMetrics.html) | **Font.**[**getLineMetrics**](http://docs.google.com/java/awt/Font.html#getLineMetrics(java.text.CharacterIterator,%20int,%20int,%20java.awt.font.FontRenderContext))([CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) ci, int beginIndex, int limit, [FontRenderContext](http://docs.google.com/java/awt/font/FontRenderContext.html) frc)            Returns a LineMetrics object created with the specified arguments. |
| [LineMetrics](http://docs.google.com/java/awt/font/LineMetrics.html) | **FontMetrics.**[**getLineMetrics**](http://docs.google.com/java/awt/FontMetrics.html#getLineMetrics(java.text.CharacterIterator,%20int,%20int,%20java.awt.Graphics))([CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) ci, int beginIndex, int limit, [Graphics](http://docs.google.com/java/awt/Graphics.html) context)            Returns the [LineMetrics](http://docs.google.com/java/awt/font/LineMetrics.html) object for the specified [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) in the specified [Graphics](http://docs.google.com/java/awt/Graphics.html) context. |
| [Rectangle2D](http://docs.google.com/java/awt/geom/Rectangle2D.html) | **Font.**[**getStringBounds**](http://docs.google.com/java/awt/Font.html#getStringBounds(java.text.CharacterIterator,%20int,%20int,%20java.awt.font.FontRenderContext))([CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) ci, int beginIndex, int limit, [FontRenderContext](http://docs.google.com/java/awt/font/FontRenderContext.html) frc)            Returns the logical bounds of the characters indexed in the specified [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) in the specified FontRenderContext. |
| [Rectangle2D](http://docs.google.com/java/awt/geom/Rectangle2D.html) | **FontMetrics.**[**getStringBounds**](http://docs.google.com/java/awt/FontMetrics.html#getStringBounds(java.text.CharacterIterator,%20int,%20int,%20java.awt.Graphics))([CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) ci, int beginIndex, int limit, [Graphics](http://docs.google.com/java/awt/Graphics.html) context)            Returns the bounds of the characters indexed in the specified CharacterIterator in the specified Graphics context. |

| Uses of [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
| --- | --- |

| Subinterfaces of [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
| --- | --- |
| interface | [**AttributedCharacterIterator**](http://docs.google.com/java/text/AttributedCharacterIterator.html)            An AttributedCharacterIterator allows iteration through both text and related attribute information. |

| Classes in [java.text](http://docs.google.com/java/text/package-summary.html) that implement [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) | |
| --- | --- |
| class | [**StringCharacterIterator**](http://docs.google.com/java/text/StringCharacterIterator.html)            StringCharacterIterator implements the CharacterIterater protocol for a String. |

| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) that return [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) | |
| --- | --- |
| abstract  [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) | **BreakIterator.**[**getText**](http://docs.google.com/java/text/BreakIterator.html#getText())()            Get the text being scanned |

| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) with parameters of type [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) | |
| --- | --- |
| [CollationElementIterator](http://docs.google.com/java/text/CollationElementIterator.html) | **RuleBasedCollator.**[**getCollationElementIterator**](http://docs.google.com/java/text/RuleBasedCollator.html#getCollationElementIterator(java.text.CharacterIterator))([CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) source)            Return a CollationElementIterator for the given String. |
| void | **CollationElementIterator.**[**setText**](http://docs.google.com/java/text/CollationElementIterator.html#setText(java.text.CharacterIterator))([CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) source)            Set a new string over which to iterate. |
| abstract  void | **BreakIterator.**[**setText**](http://docs.google.com/java/text/BreakIterator.html#setText(java.text.CharacterIterator))([CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) newText)            Set a new text for scanning. |

| Uses of [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that implement [CharacterIterator](http://docs.google.com/java/text/CharacterIterator.html) | |
| --- | --- |
| class | [**Segment**](http://docs.google.com/javax/swing/text/Segment.html)            A segment of a character array representing a fragment of text. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/text/CharacterIterator.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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