| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/text/AttributedCharacterIterator.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-useAttributedCharacterIterator.html)    [**NO FRAMES**](http://docs.google.com/AttributedCharacterIterator.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.text.AttributedCharacterIterator**

| Packages that use [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
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| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.event**](#2et92p0) | Provides interfaces and classes for dealing with different types of events fired by AWT components. |
| [**java.awt.font**](#tyjcwt) | Provides classes and interface relating to fonts. |
| [**java.awt.im**](#3dy6vkm) | Provides classes and interfaces for the input method framework. |
| [**java.awt.im.spi**](#1t3h5sf) | Provides interfaces that enable the development of input methods that can be used with any Java runtime environment. |
| [**java.text**](#4d34og8) | Provides classes and interfaces for handling text, dates, numbers, and messages in a manner independent of natural languages. |
| [**javax.swing**](#2s8eyo1) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |

| Uses of [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.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 [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
| --- | --- |
| abstract  void | **Graphics2D.**[**drawString**](http://docs.google.com/java/awt/Graphics2D.html#drawString(java.text.AttributedCharacterIterator,%20float,%20float))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) iterator, float x, float y)            Renders the text of the specified iterator applying its attributes in accordance with the specification of the [TextAttribute](http://docs.google.com/java/awt/font/TextAttribute.html) class. |
| abstract  void | **Graphics2D.**[**drawString**](http://docs.google.com/java/awt/Graphics2D.html#drawString(java.text.AttributedCharacterIterator,%20int,%20int))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) iterator, int x, int y)            Renders the text of the specified iterator applying its attributes in accordance with the specification of the [TextAttribute](http://docs.google.com/java/awt/font/TextAttribute.html) class. |
| abstract  void | **Graphics.**[**drawString**](http://docs.google.com/java/awt/Graphics.html#drawString(java.text.AttributedCharacterIterator,%20int,%20int))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) iterator, int x, int y)            Renders the text of the specified iterator applying its attributes in accordance with the specification of the [TextAttribute](http://docs.google.com/java/awt/font/TextAttribute.html) class. |

| Uses of [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) | |
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| Methods in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) that return [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
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| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **InputMethodEvent.**[**getText**](http://docs.google.com/java/awt/event/InputMethodEvent.html#getText())()            Gets the combined committed and composed text. |

| Constructors in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) with parameters of type [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
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| [**InputMethodEvent**](http://docs.google.com/java/awt/event/InputMethodEvent.html#InputMethodEvent(java.awt.Component,%20int,%20java.text.AttributedCharacterIterator,%20int,%20java.awt.font.TextHitInfo,%20java.awt.font.TextHitInfo))([Component](http://docs.google.com/java/awt/Component.html) source, int id, [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, int committedCharacterCount, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) caret, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) visiblePosition)            Constructs an InputMethodEvent with the specified source component, type, text, caret, and visiblePosition. |
| [**InputMethodEvent**](http://docs.google.com/java/awt/event/InputMethodEvent.html#InputMethodEvent(java.awt.Component,%20int,%20long,%20java.text.AttributedCharacterIterator,%20int,%20java.awt.font.TextHitInfo,%20java.awt.font.TextHitInfo))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, int committedCharacterCount, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) caret, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) visiblePosition)            Constructs an InputMethodEvent with the specified source component, type, time, text, caret, and visiblePosition. |

| Uses of [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) in [java.awt.font](http://docs.google.com/java/awt/font/package-summary.html) | |
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| Methods in [java.awt.font](http://docs.google.com/java/awt/font/package-summary.html) with parameters of type [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
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| void | **TextMeasurer.**[**deleteChar**](http://docs.google.com/java/awt/font/TextMeasurer.html#deleteChar(java.text.AttributedCharacterIterator,%20int))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) newParagraph, int deletePos)            Updates the TextMeasurer after a single character has been deleted from the paragraph currently represented by this TextMeasurer. |
| void | **LineBreakMeasurer.**[**deleteChar**](http://docs.google.com/java/awt/font/LineBreakMeasurer.html#deleteChar(java.text.AttributedCharacterIterator,%20int))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) newParagraph, int deletePos)            Updates this LineBreakMeasurer after a single character is deleted from the text, and sets the current position to the beginning of the paragraph. |
| void | **TextMeasurer.**[**insertChar**](http://docs.google.com/java/awt/font/TextMeasurer.html#insertChar(java.text.AttributedCharacterIterator,%20int))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) newParagraph, int insertPos)            Updates the TextMeasurer after a single character has been inserted into the paragraph currently represented by this TextMeasurer. |
| void | **LineBreakMeasurer.**[**insertChar**](http://docs.google.com/java/awt/font/LineBreakMeasurer.html#insertChar(java.text.AttributedCharacterIterator,%20int))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) newParagraph, int insertPos)            Updates this LineBreakMeasurer after a single character is inserted into the text, and sets the current position to the beginning of the paragraph. |

| Constructors in [java.awt.font](http://docs.google.com/java/awt/font/package-summary.html) with parameters of type [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
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| [**LineBreakMeasurer**](http://docs.google.com/java/awt/font/LineBreakMeasurer.html#LineBreakMeasurer(java.text.AttributedCharacterIterator,%20java.text.BreakIterator,%20java.awt.font.FontRenderContext))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, [BreakIterator](http://docs.google.com/java/text/BreakIterator.html) breakIter, [FontRenderContext](http://docs.google.com/java/awt/font/FontRenderContext.html) frc)            Constructs a LineBreakMeasurer for the specified text. |
| [**LineBreakMeasurer**](http://docs.google.com/java/awt/font/LineBreakMeasurer.html#LineBreakMeasurer(java.text.AttributedCharacterIterator,%20java.awt.font.FontRenderContext))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, [FontRenderContext](http://docs.google.com/java/awt/font/FontRenderContext.html) frc)            Constructs a LineBreakMeasurer for the specified text. |
| [**TextLayout**](http://docs.google.com/java/awt/font/TextLayout.html#TextLayout(java.text.AttributedCharacterIterator,%20java.awt.font.FontRenderContext))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, [FontRenderContext](http://docs.google.com/java/awt/font/FontRenderContext.html) frc)            Constructs a TextLayout from an iterator over styled text. |
| [**TextMeasurer**](http://docs.google.com/java/awt/font/TextMeasurer.html#TextMeasurer(java.text.AttributedCharacterIterator,%20java.awt.font.FontRenderContext))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, [FontRenderContext](http://docs.google.com/java/awt/font/FontRenderContext.html) frc)            Constructs a TextMeasurer from the source text. |

| Uses of [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) | |
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| Methods in [java.awt.im](http://docs.google.com/java/awt/im/package-summary.html) that return [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
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| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **InputMethodRequests.**[**cancelLatestCommittedText**](http://docs.google.com/java/awt/im/InputMethodRequests.html#cancelLatestCommittedText(java.text.AttributedCharacterIterator.Attribute%5B%5D))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Gets the latest committed text from the text editing component and removes it from the component's text body. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **InputMethodRequests.**[**getCommittedText**](http://docs.google.com/java/awt/im/InputMethodRequests.html#getCommittedText(int,%20int,%20java.text.AttributedCharacterIterator.Attribute%5B%5D))(int beginIndex, int endIndex, [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Gets an iterator providing access to the entire text and attributes contained in the text editing component except for uncommitted text. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **InputMethodRequests.**[**getSelectedText**](http://docs.google.com/java/awt/im/InputMethodRequests.html#getSelectedText(java.text.AttributedCharacterIterator.Attribute%5B%5D))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Gets the currently selected text from the text editing component. |

| Uses of [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) in [java.awt.im.spi](http://docs.google.com/java/awt/im/spi/package-summary.html) | |
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| Methods in [java.awt.im.spi](http://docs.google.com/java/awt/im/spi/package-summary.html) with parameters of type [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
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| void | **InputMethodContext.**[**dispatchInputMethodEvent**](http://docs.google.com/java/awt/im/spi/InputMethodContext.html#dispatchInputMethodEvent(int,%20java.text.AttributedCharacterIterator,%20int,%20java.awt.font.TextHitInfo,%20java.awt.font.TextHitInfo))(int id, [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, int committedCharacterCount, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) caret, [TextHitInfo](http://docs.google.com/java/awt/font/TextHitInfo.html) visiblePosition)            Creates an input method event from the arguments given and dispatches it to the client component. |

| Uses of [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) in [java.text](http://docs.google.com/java/text/package-summary.html) | |
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| Methods in [java.text](http://docs.google.com/java/text/package-summary.html) that return [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
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| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **SimpleDateFormat.**[**formatToCharacterIterator**](http://docs.google.com/java/text/SimpleDateFormat.html#formatToCharacterIterator(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Formats an Object producing an AttributedCharacterIterator. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **DecimalFormat.**[**formatToCharacterIterator**](http://docs.google.com/java/text/DecimalFormat.html#formatToCharacterIterator(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Formats an Object producing an AttributedCharacterIterator. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **Format.**[**formatToCharacterIterator**](http://docs.google.com/java/text/Format.html#formatToCharacterIterator(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Formats an Object producing an AttributedCharacterIterator. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **MessageFormat.**[**formatToCharacterIterator**](http://docs.google.com/java/text/MessageFormat.html#formatToCharacterIterator(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) arguments)            Formats an array of objects and inserts them into the MessageFormat's pattern, producing an AttributedCharacterIterator. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **AttributedString.**[**getIterator**](http://docs.google.com/java/text/AttributedString.html#getIterator())()            Creates an AttributedCharacterIterator instance that provides access to the entire contents of this string. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **AttributedString.**[**getIterator**](http://docs.google.com/java/text/AttributedString.html#getIterator(java.text.AttributedCharacterIterator.Attribute%5B%5D))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Creates an AttributedCharacterIterator instance that provides access to selected contents of this string. |
| [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | **AttributedString.**[**getIterator**](http://docs.google.com/java/text/AttributedString.html#getIterator(java.text.AttributedCharacterIterator.Attribute%5B%5D,%20int,%20int))([AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes, int beginIndex, int endIndex)            Creates an AttributedCharacterIterator instance that provides access to selected contents of this string. |

| Constructors in [java.text](http://docs.google.com/java/text/package-summary.html) with parameters of type [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
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| [**AttributedString**](http://docs.google.com/java/text/AttributedString.html#AttributedString(java.text.AttributedCharacterIterator))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text)            Constructs an AttributedString instance with the given attributed text represented by AttributedCharacterIterator. |
| [**AttributedString**](http://docs.google.com/java/text/AttributedString.html#AttributedString(java.text.AttributedCharacterIterator,%20int,%20int))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, int beginIndex, int endIndex)            Constructs an AttributedString instance with the subrange of the given attributed text represented by AttributedCharacterIterator. |
| [**AttributedString**](http://docs.google.com/java/text/AttributedString.html#AttributedString(java.text.AttributedCharacterIterator,%20int,%20int,%20java.text.AttributedCharacterIterator.Attribute%5B%5D))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) text, int beginIndex, int endIndex, [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)[] attributes)            Constructs an AttributedString instance with the subrange of the given attributed text represented by AttributedCharacterIterator. |
| [**Bidi**](http://docs.google.com/java/text/Bidi.html#Bidi(java.text.AttributedCharacterIterator))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) paragraph)            Create Bidi from the given paragraph of text. |

| Uses of [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
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| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) | |
| --- | --- |
| void | **DebugGraphics.**[**drawString**](http://docs.google.com/javax/swing/DebugGraphics.html#drawString(java.text.AttributedCharacterIterator,%20int,%20int))([AttributedCharacterIterator](http://docs.google.com/java/text/AttributedCharacterIterator.html) iterator, int x, int y)            Overrides Graphics.drawString. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/text/AttributedCharacterIterator.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/text//class-useAttributedCharacterIterator.html)    [**NO FRAMES**](http://docs.google.com/AttributedCharacterIterator.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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