| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.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?javax/swing//class-useJFormattedTextField.AbstractFormatter.html)    [**NO FRAMES**](http://docs.google.com/JFormattedTextField.AbstractFormatter.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.swing.JFormattedTextField.AbstractFormatter**

| Packages that use [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | |
| --- | --- |
| [**javax.swing**](#3znysh7) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.text**](#2et92p0) | Provides classes and interfaces that deal with editable and noneditable text components. |

| Uses of [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.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) that return [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | |
| --- | --- |
| [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | **JFormattedTextField.**[**getFormatter**](http://docs.google.com/javax/swing/JFormattedTextField.html#getFormatter())()            Returns the AbstractFormatter that is used to format and parse the current value. |
| abstract  [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | **JFormattedTextField.AbstractFormatterFactory.**[**getFormatter**](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatterFactory.html#getFormatter(javax.swing.JFormattedTextField))([JFormattedTextField](http://docs.google.com/javax/swing/JFormattedTextField.html) tf)            Returns an AbstractFormatter that can handle formatting of the passed in JFormattedTextField. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | |
| --- | --- |
| protected  void | **JFormattedTextField.**[**setFormatter**](http://docs.google.com/javax/swing/JFormattedTextField.html#setFormatter(javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) format)            Sets the current AbstractFormatter. |

| Constructors in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | |
| --- | --- |
| [**JFormattedTextField**](http://docs.google.com/javax/swing/JFormattedTextField.html#JFormattedTextField(javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) formatter)            Creates a JFormattedTextField with the specified AbstractFormatter. |

| Uses of [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
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| Subclasses of [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
| --- | --- |
| class | [**DateFormatter**](http://docs.google.com/javax/swing/text/DateFormatter.html)            DateFormatter is an InternationalFormatter that does its formatting by way of an instance of java.text.DateFormat. |
| class | [**DefaultFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatter.html)            DefaultFormatter formats aribtrary objects. |
| class | [**InternationalFormatter**](http://docs.google.com/javax/swing/text/InternationalFormatter.html)            InternationalFormatter extends DefaultFormatter, using an instance of java.text.Format to handle the conversion to a String, and the conversion from a String. |
| class | [**MaskFormatter**](http://docs.google.com/javax/swing/text/MaskFormatter.html)            MaskFormatter is used to format and edit strings. |
| class | [**NumberFormatter**](http://docs.google.com/javax/swing/text/NumberFormatter.html)            NumberFormatter subclasses InternationalFormatter adding special behavior for numbers. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that return [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | |
| --- | --- |
| [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | **DefaultFormatterFactory.**[**getDefaultFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#getDefaultFormatter())()            Returns the JFormattedTextField.AbstractFormatter to use as a last resort, eg in case a display, edit or null JFormattedTextField.AbstractFormatter has not been specified. |
| [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | **DefaultFormatterFactory.**[**getDisplayFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#getDisplayFormatter())()            Returns the JFormattedTextField.AbstractFormatter to use if the JFormattedTextField is not being edited and either the value is not-null, or the value is null and a null formatter has has not been specified. |
| [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | **DefaultFormatterFactory.**[**getEditFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#getEditFormatter())()            Returns the JFormattedTextField.AbstractFormatter to use if the JFormattedTextField is being edited and either the value is not-null, or the value is null and a null formatter has has not been specified. |
| [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | **DefaultFormatterFactory.**[**getFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#getFormatter(javax.swing.JFormattedTextField))([JFormattedTextField](http://docs.google.com/javax/swing/JFormattedTextField.html) source)            Returns either the default formatter, display formatter, editor formatter or null formatter based on the state of the JFormattedTextField. |
| [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | **DefaultFormatterFactory.**[**getNullFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#getNullFormatter())()            Returns the formatter to use if the value is null. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | |
| --- | --- |
| void | **DefaultFormatterFactory.**[**setDefaultFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#setDefaultFormatter(javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) atf)            Sets the JFormattedTextField.AbstractFormatter to use as a last resort, eg in case a display, edit or null JFormattedTextField.AbstractFormatter has not been specified. |
| void | **DefaultFormatterFactory.**[**setDisplayFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#setDisplayFormatter(javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) atf)            Sets the JFormattedTextField.AbstractFormatter to use if the JFormattedTextField is not being edited and either the value is not-null, or the value is null and a null formatter has has not been specified. |
| void | **DefaultFormatterFactory.**[**setEditFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#setEditFormatter(javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) atf)            Sets the JFormattedTextField.AbstractFormatter to use if the JFormattedTextField is being edited and either the value is not-null, or the value is null and a null formatter has has not been specified. |
| void | **DefaultFormatterFactory.**[**setNullFormatter**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#setNullFormatter(javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) atf)            Sets the formatter to use if the value of the JFormattedTextField is null. |

| Constructors in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) | |
| --- | --- |
| [**DefaultFormatterFactory**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#DefaultFormatterFactory(javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) defaultFormat)            Creates a DefaultFormatterFactory with the specified JFormattedTextField.AbstractFormatter. |
| [**DefaultFormatterFactory**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#DefaultFormatterFactory(javax.swing.JFormattedTextField.AbstractFormatter,%20javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) defaultFormat, [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) displayFormat)            Creates a DefaultFormatterFactory with the specified JFormattedTextField.AbstractFormatters. |
| [**DefaultFormatterFactory**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#DefaultFormatterFactory(javax.swing.JFormattedTextField.AbstractFormatter,%20javax.swing.JFormattedTextField.AbstractFormatter,%20javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) defaultFormat, [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) displayFormat, [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) editFormat)            Creates a DefaultFormatterFactory with the specified JFormattedTextField.AbstractFormatters. |
| [**DefaultFormatterFactory**](http://docs.google.com/javax/swing/text/DefaultFormatterFactory.html#DefaultFormatterFactory(javax.swing.JFormattedTextField.AbstractFormatter,%20javax.swing.JFormattedTextField.AbstractFormatter,%20javax.swing.JFormattedTextField.AbstractFormatter,%20javax.swing.JFormattedTextField.AbstractFormatter))([JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) defaultFormat, [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) displayFormat, [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) editFormat, [JFormattedTextField.AbstractFormatter](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.html) nullFormat)            Creates a DefaultFormatterFactory with the specified JFormattedTextField.AbstractFormatters. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/JFormattedTextField.AbstractFormatter.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?javax/swing//class-useJFormattedTextField.AbstractFormatter.html)    [**NO FRAMES**](http://docs.google.com/JFormattedTextField.AbstractFormatter.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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