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

**Uses of Class**

**java.io.Writer**

| Packages that use [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [**java.io**](#3znysh7) | Provides for system input and output through data streams, serialization and the file system. |
| [**java.nio.channels**](#2et92p0) | Defines channels, which represent connections to entities that are capable of performing I/O operations, such as files and sockets; defines selectors, for multiplexed, non-blocking I/O operations. |
| [**java.sql**](#tyjcwt) | Provides the API for accessing and processing data stored in a data source (usually a relational database) using the JavaTM programming language. |
| [**java.util**](#3dy6vkm) | Contains the collections framework, legacy collection classes, event model, date and time facilities, internationalization, and miscellaneous utility classes (a string tokenizer, a random-number generator, and a bit array). |
| [**javax.lang.model.util**](#1t3h5sf) | Utilities to assist in the processing of [program elements](http://docs.google.com/javax/lang/model/element/package-summary.html) and [types](http://docs.google.com/javax/lang/model/type/package-summary.html). |
| [**javax.script**](#4d34og8) | The scripting API consists of interfaces and classes that define Java TM Scripting Engines and provides a framework for their use in Java applications. |
| [**javax.sql.rowset**](#2s8eyo1) | Standard interfaces and base classes for JDBC RowSet implementations. |
| [**javax.sql.rowset.serial**](#17dp8vu) | Provides utility classes to allow serializable mappings between SQL types and data types in the Java programming language. |
| [**javax.sql.rowset.spi**](#3rdcrjn) | The standard classes and interfaces that a third party vendor has to use in its implementation of a synchronization provider. |
| [**javax.swing.text**](#26in1rg) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.html**](#lnxbz9) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |
| [**javax.swing.text.rtf**](#35nkun2) | Provides a class (RTFEditorKit) for creating Rich-Text-Format text editors. |
| [**javax.tools**](#1ksv4uv) | Provides interfaces for tools which can be invoked from a program, for example, compilers. |
| [**javax.xml.bind**](#44sinio) | Provides a runtime binding framework for client applications including unmarshalling, marshalling, and validation capabilities. |
| [**javax.xml.bind.helpers**](#2jxsxqh) | **JAXB Provider Use Only:** Provides partial default implementations for some of the javax.xml.bind interfaces. |
| [**javax.xml.stream**](#z337ya) |  |
| [**javax.xml.stream.events**](#3j2qqm3) |  |
| [**javax.xml.transform.stream**](#1y810tw) | This package implements stream- and URI- specific transformation APIs. |
| [**org.w3c.dom.ls**](#4i7ojhp) |  |

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

| Subclasses of [Writer](http://docs.google.com/java/io/Writer.html) in [java.io](http://docs.google.com/java/io/package-summary.html) | |
| --- | --- |
| class | [**BufferedWriter**](http://docs.google.com/java/io/BufferedWriter.html)            Writes text to a character-output stream, buffering characters so as to provide for the efficient writing of single characters, arrays, and strings. |
| class | [**CharArrayWriter**](http://docs.google.com/java/io/CharArrayWriter.html)            This class implements a character buffer that can be used as an Writer. |
| class | [**FileWriter**](http://docs.google.com/java/io/FileWriter.html)            Convenience class for writing character files. |
| class | [**FilterWriter**](http://docs.google.com/java/io/FilterWriter.html)            Abstract class for writing filtered character streams. |
| class | [**OutputStreamWriter**](http://docs.google.com/java/io/OutputStreamWriter.html)            An OutputStreamWriter is a bridge from character streams to byte streams: Characters written to it are encoded into bytes using a specified [charset](http://docs.google.com/java/nio/charset/Charset.html). |
| class | [**PipedWriter**](http://docs.google.com/java/io/PipedWriter.html)            Piped character-output streams. |
| class | [**PrintWriter**](http://docs.google.com/java/io/PrintWriter.html)            Prints formatted representations of objects to a text-output stream. |
| class | [**StringWriter**](http://docs.google.com/java/io/StringWriter.html)            A character stream that collects its output in a string buffer, which can then be used to construct a string. |

| Fields in [java.io](http://docs.google.com/java/io/package-summary.html) declared as [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| protected  [Writer](http://docs.google.com/java/io/Writer.html) | **FilterWriter.**[**out**](http://docs.google.com/java/io/FilterWriter.html#out)            The underlying character-output stream. |
| protected  [Writer](http://docs.google.com/java/io/Writer.html) | **PrintWriter.**[**out**](http://docs.google.com/java/io/PrintWriter.html#out)            The underlying character-output stream of this PrintWriter. |

| Methods in [java.io](http://docs.google.com/java/io/package-summary.html) that return [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [Writer](http://docs.google.com/java/io/Writer.html) | **Writer.**[**append**](http://docs.google.com/java/io/Writer.html#append(char))(char c)            Appends the specified character to this writer. |
| [Writer](http://docs.google.com/java/io/Writer.html) | **Writer.**[**append**](http://docs.google.com/java/io/Writer.html#append(java.lang.CharSequence))([CharSequence](http://docs.google.com/java/lang/CharSequence.html) csq)            Appends the specified character sequence to this writer. |
| [Writer](http://docs.google.com/java/io/Writer.html) | **Writer.**[**append**](http://docs.google.com/java/io/Writer.html#append(java.lang.CharSequence,%20int,%20int))([CharSequence](http://docs.google.com/java/lang/CharSequence.html) csq, int start, int end)            Appends a subsequence of the specified character sequence to this writer. |

| Methods in [java.io](http://docs.google.com/java/io/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **CharArrayWriter.**[**writeTo**](http://docs.google.com/java/io/CharArrayWriter.html#writeTo(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) out)            Writes the contents of the buffer to another character stream. |

| Constructors in [java.io](http://docs.google.com/java/io/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [**BufferedWriter**](http://docs.google.com/java/io/BufferedWriter.html#BufferedWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) out)            Creates a buffered character-output stream that uses a default-sized output buffer. |
| [**BufferedWriter**](http://docs.google.com/java/io/BufferedWriter.html#BufferedWriter(java.io.Writer,%20int))([Writer](http://docs.google.com/java/io/Writer.html) out, int sz)            Creates a new buffered character-output stream that uses an output buffer of the given size. |
| [**FilterWriter**](http://docs.google.com/java/io/FilterWriter.html#FilterWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) out)            Create a new filtered writer. |
| [**PrintWriter**](http://docs.google.com/java/io/PrintWriter.html#PrintWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) out)            Creates a new PrintWriter, without automatic line flushing. |
| [**PrintWriter**](http://docs.google.com/java/io/PrintWriter.html#PrintWriter(java.io.Writer,%20boolean))([Writer](http://docs.google.com/java/io/Writer.html) out, boolean autoFlush)            Creates a new PrintWriter. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
| --- | --- |

| Methods in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) that return [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| static [Writer](http://docs.google.com/java/io/Writer.html) | **Channels.**[**newWriter**](http://docs.google.com/java/nio/channels/Channels.html#newWriter(java.nio.channels.WritableByteChannel,%20java.nio.charset.CharsetEncoder,%20int))([WritableByteChannel](http://docs.google.com/java/nio/channels/WritableByteChannel.html) ch, [CharsetEncoder](http://docs.google.com/java/nio/charset/CharsetEncoder.html) enc, int minBufferCap)            Constructs a writer that encodes characters using the given encoder and writes the resulting bytes to the given channel. |
| static [Writer](http://docs.google.com/java/io/Writer.html) | **Channels.**[**newWriter**](http://docs.google.com/java/nio/channels/Channels.html#newWriter(java.nio.channels.WritableByteChannel,%20java.lang.String))([WritableByteChannel](http://docs.google.com/java/nio/channels/WritableByteChannel.html) ch, [String](http://docs.google.com/java/lang/String.html) csName)            Constructs a writer that encodes characters according to the named charset and writes the resulting bytes to the given channel. |

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

| Methods in [java.sql](http://docs.google.com/java/sql/package-summary.html) that return [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [Writer](http://docs.google.com/java/io/Writer.html) | **SQLXML.**[**setCharacterStream**](http://docs.google.com/java/sql/SQLXML.html#setCharacterStream())()            Retrieves a stream to be used to write the XML value that this SQLXML instance represents. |
| [Writer](http://docs.google.com/java/io/Writer.html) | **Clob.**[**setCharacterStream**](http://docs.google.com/java/sql/Clob.html#setCharacterStream(long))(long pos)            Retrieves a stream to be used to write a stream of Unicode characters to the CLOB value that this Clob object represents, at position pos. |

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

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **Properties.**[**store**](http://docs.google.com/java/util/Properties.html#store(java.io.Writer,%20java.lang.String))([Writer](http://docs.google.com/java/io/Writer.html) writer, [String](http://docs.google.com/java/lang/String.html) comments)            Writes this property list (key and element pairs) in this Properties table to the output character stream in a format suitable for using the [load(Reader)](http://docs.google.com/java/util/Properties.html#load(java.io.Reader)) method. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.lang.model.util](http://docs.google.com/javax/lang/model/util/package-summary.html) | |
| --- | --- |

| Methods in [javax.lang.model.util](http://docs.google.com/javax/lang/model/util/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **Elements.**[**printElements**](http://docs.google.com/javax/lang/model/util/Elements.html#printElements(java.io.Writer,%20javax.lang.model.element.Element...))([Writer](http://docs.google.com/java/io/Writer.html) w, [Element](http://docs.google.com/javax/lang/model/element/Element.html)... elements)            Prints a representation of the elements to the given writer in the specified order. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.script](http://docs.google.com/javax/script/package-summary.html) | |
| --- | --- |

| Fields in [javax.script](http://docs.google.com/javax/script/package-summary.html) declared as [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| protected  [Writer](http://docs.google.com/java/io/Writer.html) | **SimpleScriptContext.**[**errorWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#errorWriter)            This is the writer to be used to output errors from scripts. |
| protected  [Writer](http://docs.google.com/java/io/Writer.html) | **SimpleScriptContext.**[**writer**](http://docs.google.com/javax/script/SimpleScriptContext.html#writer)            This is the writer to be used to output from scripts. |

| Methods in [javax.script](http://docs.google.com/javax/script/package-summary.html) that return [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [Writer](http://docs.google.com/java/io/Writer.html) | **SimpleScriptContext.**[**getErrorWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#getErrorWriter())()            Returns the Writer used to display error output. |
| [Writer](http://docs.google.com/java/io/Writer.html) | **ScriptContext.**[**getErrorWriter**](http://docs.google.com/javax/script/ScriptContext.html#getErrorWriter())()            Returns the Writer used to display error output. |
| [Writer](http://docs.google.com/java/io/Writer.html) | **SimpleScriptContext.**[**getWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#getWriter())()            Returns the Writer for scripts to use when displaying output. |
| [Writer](http://docs.google.com/java/io/Writer.html) | **ScriptContext.**[**getWriter**](http://docs.google.com/javax/script/ScriptContext.html#getWriter())()            Returns the Writer for scripts to use when displaying output. |

| Methods in [javax.script](http://docs.google.com/javax/script/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **SimpleScriptContext.**[**setErrorWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#setErrorWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            Sets the Writer used to display error output. |
| void | **ScriptContext.**[**setErrorWriter**](http://docs.google.com/javax/script/ScriptContext.html#setErrorWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            Sets the Writer used to display error output. |
| void | **SimpleScriptContext.**[**setWriter**](http://docs.google.com/javax/script/SimpleScriptContext.html#setWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            Sets the Writer for scripts to use when displaying output. |
| void | **ScriptContext.**[**setWriter**](http://docs.google.com/javax/script/ScriptContext.html#setWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            Sets the Writer for scripts to use when displaying output. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) | |
| --- | --- |

| Methods in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **WebRowSet.**[**writeXml**](http://docs.google.com/javax/sql/rowset/WebRowSet.html#writeXml(java.sql.ResultSet,%20java.io.Writer))([ResultSet](http://docs.google.com/java/sql/ResultSet.html) rs, [Writer](http://docs.google.com/java/io/Writer.html) writer)            Populates this WebRowSet object with the contents of the given ResultSet object and writes its data, properties, and metadata to the given Writer object in XML format. |
| void | **WebRowSet.**[**writeXml**](http://docs.google.com/javax/sql/rowset/WebRowSet.html#writeXml(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            Writes the data, properties, and metadata for this WebRowSet object to the given Writer object in XML format. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) | |
| --- | --- |

| Methods in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) that return [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [Writer](http://docs.google.com/java/io/Writer.html) | **SerialClob.**[**setCharacterStream**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#setCharacterStream(long))(long pos)            Retrieves a stream to be used to write a stream of Unicode characters to the CLOB value that this SerialClob object represents, at position pos. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.sql.rowset.spi](http://docs.google.com/javax/sql/rowset/spi/package-summary.html) | |
| --- | --- |

| Methods in [javax.sql.rowset.spi](http://docs.google.com/javax/sql/rowset/spi/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **XmlWriter.**[**writeXML**](http://docs.google.com/javax/sql/rowset/spi/XmlWriter.html#writeXML(javax.sql.rowset.WebRowSet,%20java.io.Writer))([WebRowSet](http://docs.google.com/javax/sql/rowset/WebRowSet.html) caller, [Writer](http://docs.google.com/java/io/Writer.html) writer)            Writes the given WebRowSet object to the specified java.io.Writer output stream as an XML document. |

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

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that return [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| protected  [Writer](http://docs.google.com/java/io/Writer.html) | **AbstractWriter.**[**getWriter**](http://docs.google.com/javax/swing/text/AbstractWriter.html#getWriter())()            Returns the Writer that is used to output the content. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **JTextComponent.**[**write**](http://docs.google.com/javax/swing/text/JTextComponent.html#write(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) out)            Stores the contents of the model into the given stream. |
| void | **DefaultEditorKit.**[**write**](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#write(java.io.Writer,%20javax.swing.text.Document,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Writes content from a document to the given stream as plain text. |
| abstract  void | **EditorKit.**[**write**](http://docs.google.com/javax/swing/text/EditorKit.html#write(java.io.Writer,%20javax.swing.text.Document,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Writes content from a document to the given stream in a format appropriate for this kind of content handler. |

| Constructors in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [**AbstractWriter**](http://docs.google.com/javax/swing/text/AbstractWriter.html#AbstractWriter(java.io.Writer,%20javax.swing.text.Document))([Writer](http://docs.google.com/java/io/Writer.html) w, [Document](http://docs.google.com/javax/swing/text/Document.html) doc)            Creates a new AbstractWriter. |
| [**AbstractWriter**](http://docs.google.com/javax/swing/text/AbstractWriter.html#AbstractWriter(java.io.Writer,%20javax.swing.text.Document,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) w, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Creates a new AbstractWriter. |
| [**AbstractWriter**](http://docs.google.com/javax/swing/text/AbstractWriter.html#AbstractWriter(java.io.Writer,%20javax.swing.text.Element))([Writer](http://docs.google.com/java/io/Writer.html) w, [Element](http://docs.google.com/javax/swing/text/Element.html) root)            Creates a new AbstractWriter. |
| [**AbstractWriter**](http://docs.google.com/javax/swing/text/AbstractWriter.html#AbstractWriter(java.io.Writer,%20javax.swing.text.Element,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) w, [Element](http://docs.google.com/javax/swing/text/Element.html) root, int pos, int len)            Creates a new AbstractWriter. |

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

| Methods in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **HTMLEditorKit.**[**write**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#write(java.io.Writer,%20javax.swing.text.Document,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Write content from a document to the given stream in a format appropriate for this kind of content handler. |

| Constructors in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [**HTMLWriter**](http://docs.google.com/javax/swing/text/html/HTMLWriter.html#HTMLWriter(java.io.Writer,%20javax.swing.text.html.HTMLDocument))([Writer](http://docs.google.com/java/io/Writer.html) w, [HTMLDocument](http://docs.google.com/javax/swing/text/html/HTMLDocument.html) doc)            Creates a new HTMLWriter. |
| [**HTMLWriter**](http://docs.google.com/javax/swing/text/html/HTMLWriter.html#HTMLWriter(java.io.Writer,%20javax.swing.text.html.HTMLDocument,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) w, [HTMLDocument](http://docs.google.com/javax/swing/text/html/HTMLDocument.html) doc, int pos, int len)            Creates a new HTMLWriter. |
| [**MinimalHTMLWriter**](http://docs.google.com/javax/swing/text/html/MinimalHTMLWriter.html#MinimalHTMLWriter(java.io.Writer,%20javax.swing.text.StyledDocument))([Writer](http://docs.google.com/java/io/Writer.html) w, [StyledDocument](http://docs.google.com/javax/swing/text/StyledDocument.html) doc)            Creates a new MinimalHTMLWriter. |
| [**MinimalHTMLWriter**](http://docs.google.com/javax/swing/text/html/MinimalHTMLWriter.html#MinimalHTMLWriter(java.io.Writer,%20javax.swing.text.StyledDocument,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) w, [StyledDocument](http://docs.google.com/javax/swing/text/StyledDocument.html) doc, int pos, int len)            Creates a new MinimalHTMLWriter. |

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

| Methods in [javax.swing.text.rtf](http://docs.google.com/javax/swing/text/rtf/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **RTFEditorKit.**[**write**](http://docs.google.com/javax/swing/text/rtf/RTFEditorKit.html#write(java.io.Writer,%20javax.swing.text.Document,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Write content from a document to the given stream as plain text. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) | |
| --- | --- |

| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) that return [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [Writer](http://docs.google.com/java/io/Writer.html) | **SimpleJavaFileObject.**[**openWriter**](http://docs.google.com/javax/tools/SimpleJavaFileObject.html#openWriter())()            Wraps the result of openOutputStream in a Writer. |
| [Writer](http://docs.google.com/java/io/Writer.html) | **ForwardingFileObject.**[**openWriter**](http://docs.google.com/javax/tools/ForwardingFileObject.html#openWriter())() |
| [Writer](http://docs.google.com/java/io/Writer.html) | **FileObject.**[**openWriter**](http://docs.google.com/javax/tools/FileObject.html#openWriter())()            Gets a Writer for this file object. |

| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [JavaCompiler.CompilationTask](http://docs.google.com/javax/tools/JavaCompiler.CompilationTask.html) | **JavaCompiler.**[**getTask**](http://docs.google.com/javax/tools/JavaCompiler.html#getTask(java.io.Writer,%20javax.tools.JavaFileManager,%20javax.tools.DiagnosticListener,%20java.lang.Iterable,%20java.lang.Iterable,%20java.lang.Iterable))([Writer](http://docs.google.com/java/io/Writer.html) out, [JavaFileManager](http://docs.google.com/javax/tools/JavaFileManager.html) fileManager, [DiagnosticListener](http://docs.google.com/javax/tools/DiagnosticListener.html)<? super [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> diagnosticListener, [Iterable](http://docs.google.com/java/lang/Iterable.html)<[String](http://docs.google.com/java/lang/String.html)> options, [Iterable](http://docs.google.com/java/lang/Iterable.html)<[String](http://docs.google.com/java/lang/String.html)> classes, [Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> compilationUnits)            Creates a future for a compilation task with the given components and arguments. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **Marshaller.**[**marshal**](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20java.io.Writer))([Object](http://docs.google.com/java/lang/Object.html) jaxbElement, [Writer](http://docs.google.com/java/io/Writer.html) writer)            Marshal the content tree rooted at jaxbElement into a Writer. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **AbstractMarshallerImpl.**[**marshal**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#marshal(java.lang.Object,%20java.io.Writer))([Object](http://docs.google.com/java/lang/Object.html) obj, [Writer](http://docs.google.com/java/io/Writer.html) w) |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| abstract  [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) | **XMLOutputFactory.**[**createXMLEventWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLEventWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) stream)            Create a new XMLEventWriter that writes to a writer |
| abstract  [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) | **XMLOutputFactory.**[**createXMLStreamWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLStreamWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) stream)            Create a new XMLStreamWriter that writes to a writer |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.xml.stream.events](http://docs.google.com/javax/xml/stream/events/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.stream.events](http://docs.google.com/javax/xml/stream/events/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **XMLEvent.**[**writeAsEncodedUnicode**](http://docs.google.com/javax/xml/stream/events/XMLEvent.html#writeAsEncodedUnicode(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            This method will write the XMLEvent as per the XML 1.0 specification as Unicode characters. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) that return [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [Writer](http://docs.google.com/java/io/Writer.html) | **StreamResult.**[**getWriter**](http://docs.google.com/javax/xml/transform/stream/StreamResult.html#getWriter())()            Get the character stream that was set with setWriter. |

| Methods in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **StreamResult.**[**setWriter**](http://docs.google.com/javax/xml/transform/stream/StreamResult.html#setWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            Set the writer that is to receive the result. |

| Constructors in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [**StreamResult**](http://docs.google.com/javax/xml/transform/stream/StreamResult.html#StreamResult(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) writer)            Construct a StreamResult from a character stream. |

| Uses of [Writer](http://docs.google.com/java/io/Writer.html) in [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) | |
| --- | --- |

| Methods in [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) that return [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| [Writer](http://docs.google.com/java/io/Writer.html) | **LSOutput.**[**getCharacterStream**](http://docs.google.com/org/w3c/dom/ls/LSOutput.html#getCharacterStream())()            An attribute of a language and binding dependent type that represents a writable stream to which 16-bit units can be output. |

| Methods in [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) with parameters of type [Writer](http://docs.google.com/java/io/Writer.html) | |
| --- | --- |
| void | **LSOutput.**[**setCharacterStream**](http://docs.google.com/org/w3c/dom/ls/LSOutput.html#setCharacterStream(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) characterStream)            An attribute of a language and binding dependent type that represents a writable stream to which 16-bit units can be output. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/io/Writer.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/io//class-useWriter.html)    [**NO FRAMES**](http://docs.google.com/Writer.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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