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

**Uses of Class**

**java.io.Reader**

| Packages that use [Reader](http://docs.google.com/java/io/Reader.html) | |
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| [**java.awt.datatransfer**](#3znysh7) | Provides interfaces and classes for transferring data between and within applications. |
| [**java.io**](#2et92p0) | Provides for system input and output through data streams, serialization and the file system. |
| [**java.nio.channels**](#tyjcwt) | 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**](#3dy6vkm) | Provides the API for accessing and processing data stored in a data source (usually a relational database) using the JavaTM programming language. |
| [**java.util**](#1t3h5sf) | 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.print**](#4d34og8) | Provides the principal classes and interfaces for the JavaTM Print Service API. |
| [**javax.script**](#2s8eyo1) | 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**](#17dp8vu) | Provides the API for server side data source access and processing from the JavaTM programming language. |
| [**javax.sql.rowset**](#3rdcrjn) | Standard interfaces and base classes for JDBC RowSet implementations. |
| [**javax.sql.rowset.serial**](#26in1rg) | Provides utility classes to allow serializable mappings between SQL types and data types in the Java programming language. |
| [**javax.sql.rowset.spi**](#lnxbz9) | The standard classes and interfaces that a third party vendor has to use in its implementation of a synchronization provider. |
| [**javax.swing.text**](#35nkun2) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.html**](#1ksv4uv) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |
| [**javax.swing.text.html.parser**](#44sinio) | Provides the default HTML parser, along with support classes. |
| [**javax.swing.text.rtf**](#2jxsxqh) | Provides a class (RTFEditorKit) for creating Rich-Text-Format text editors. |
| [**javax.tools**](#z337ya) | Provides interfaces for tools which can be invoked from a program, for example, compilers. |
| [**javax.xml.bind**](#3j2qqm3) | Provides a runtime binding framework for client applications including unmarshalling, marshalling, and validation capabilities. |
| [**javax.xml.bind.helpers**](#1y810tw) | **JAXB Provider Use Only:** Provides partial default implementations for some of the javax.xml.bind interfaces. |
| [**javax.xml.stream**](#4i7ojhp) |  |
| [**javax.xml.transform.stream**](#2xcytpi) | This package implements stream- and URI- specific transformation APIs. |
| [**org.w3c.dom.ls**](#1ci93xb) |  |
| [**org.xml.sax**](#3whwml4) | This package provides the core SAX APIs. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) | |
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| Methods in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
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| [Reader](http://docs.google.com/java/io/Reader.html) | **DataFlavor.**[**getReaderForText**](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getReaderForText(java.awt.datatransfer.Transferable))([Transferable](http://docs.google.com/java/awt/datatransfer/Transferable.html) transferable)            Gets a Reader for a text flavor, decoded, if necessary, for the expected charset (encoding). |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [java.io](http://docs.google.com/java/io/package-summary.html) | |
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| Subclasses of [Reader](http://docs.google.com/java/io/Reader.html) in [java.io](http://docs.google.com/java/io/package-summary.html) | |
| --- | --- |
| class | [**BufferedReader**](http://docs.google.com/java/io/BufferedReader.html)            Reads text from a character-input stream, buffering characters so as to provide for the efficient reading of characters, arrays, and lines. |
| class | [**CharArrayReader**](http://docs.google.com/java/io/CharArrayReader.html)            This class implements a character buffer that can be used as a character-input stream. |
| class | [**FileReader**](http://docs.google.com/java/io/FileReader.html)            Convenience class for reading character files. |
| class | [**FilterReader**](http://docs.google.com/java/io/FilterReader.html)            Abstract class for reading filtered character streams. |
| class | [**InputStreamReader**](http://docs.google.com/java/io/InputStreamReader.html)            An InputStreamReader is a bridge from byte streams to character streams: It reads bytes and decodes them into characters using a specified [charset](http://docs.google.com/java/nio/charset/Charset.html). |
| class | [**LineNumberReader**](http://docs.google.com/java/io/LineNumberReader.html)            A buffered character-input stream that keeps track of line numbers. |
| class | [**PipedReader**](http://docs.google.com/java/io/PipedReader.html)            Piped character-input streams. |
| class | [**PushbackReader**](http://docs.google.com/java/io/PushbackReader.html)            A character-stream reader that allows characters to be pushed back into the stream. |
| class | [**StringReader**](http://docs.google.com/java/io/StringReader.html)            A character stream whose source is a string. |

| Fields in [java.io](http://docs.google.com/java/io/package-summary.html) declared as [Reader](http://docs.google.com/java/io/Reader.html) | |
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| protected  [Reader](http://docs.google.com/java/io/Reader.html) | **FilterReader.**[**in**](http://docs.google.com/java/io/FilterReader.html#in)            The underlying character-input stream. |

| Methods in [java.io](http://docs.google.com/java/io/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [Reader](http://docs.google.com/java/io/Reader.html) | **Console.**[**reader**](http://docs.google.com/java/io/Console.html#reader())()            Retrieves the unique [Reader](http://docs.google.com/java/io/Reader.html) object associated with this console. |

| Constructors in [java.io](http://docs.google.com/java/io/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
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| [**BufferedReader**](http://docs.google.com/java/io/BufferedReader.html#BufferedReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) in)            Creates a buffering character-input stream that uses a default-sized input buffer. |
| [**BufferedReader**](http://docs.google.com/java/io/BufferedReader.html#BufferedReader(java.io.Reader,%20int))([Reader](http://docs.google.com/java/io/Reader.html) in, int sz)            Creates a buffering character-input stream that uses an input buffer of the specified size. |
| [**FilterReader**](http://docs.google.com/java/io/FilterReader.html#FilterReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) in)            Creates a new filtered reader. |
| [**LineNumberReader**](http://docs.google.com/java/io/LineNumberReader.html#LineNumberReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) in)            Create a new line-numbering reader, using the default input-buffer size. |
| [**LineNumberReader**](http://docs.google.com/java/io/LineNumberReader.html#LineNumberReader(java.io.Reader,%20int))([Reader](http://docs.google.com/java/io/Reader.html) in, int sz)            Create a new line-numbering reader, reading characters into a buffer of the given size. |
| [**PushbackReader**](http://docs.google.com/java/io/PushbackReader.html#PushbackReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) in)            Creates a new pushback reader with a one-character pushback buffer. |
| [**PushbackReader**](http://docs.google.com/java/io/PushbackReader.html#PushbackReader(java.io.Reader,%20int))([Reader](http://docs.google.com/java/io/Reader.html) in, int size)            Creates a new pushback reader with a pushback buffer of the given size. |
| [**StreamTokenizer**](http://docs.google.com/java/io/StreamTokenizer.html#StreamTokenizer(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) r)            Create a tokenizer that parses the given character stream. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
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| Methods in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| static [Reader](http://docs.google.com/java/io/Reader.html) | **Channels.**[**newReader**](http://docs.google.com/java/nio/channels/Channels.html#newReader(java.nio.channels.ReadableByteChannel,%20java.nio.charset.CharsetDecoder,%20int))([ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) ch, [CharsetDecoder](http://docs.google.com/java/nio/charset/CharsetDecoder.html) dec, int minBufferCap)            Constructs a reader that decodes bytes from the given channel using the given decoder. |
| static [Reader](http://docs.google.com/java/io/Reader.html) | **Channels.**[**newReader**](http://docs.google.com/java/nio/channels/Channels.html#newReader(java.nio.channels.ReadableByteChannel,%20java.lang.String))([ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) ch, [String](http://docs.google.com/java/lang/String.html) csName)            Constructs a reader that decodes bytes from the given channel according to the named charset. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [java.sql](http://docs.google.com/java/sql/package-summary.html) | |
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| Methods in [java.sql](http://docs.google.com/java/sql/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
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| [Reader](http://docs.google.com/java/io/Reader.html) | **SQLXML.**[**getCharacterStream**](http://docs.google.com/java/sql/SQLXML.html#getCharacterStream())()            Retrieves the XML value designated by this SQLXML instance as a java.io.Reader object. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **Clob.**[**getCharacterStream**](http://docs.google.com/java/sql/Clob.html#getCharacterStream())()            Retrieves the CLOB value designated by this Clob object as a java.io.Reader object (or as a stream of characters). |
| [Reader](http://docs.google.com/java/io/Reader.html) | **CallableStatement.**[**getCharacterStream**](http://docs.google.com/java/sql/CallableStatement.html#getCharacterStream(int))(int parameterIndex)            Retrieves the value of the designated parameter as a java.io.Reader object in the Java programming language. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **ResultSet.**[**getCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#getCharacterStream(int))(int columnIndex)            Retrieves the value of the designated column in the current row of this ResultSet object as a java.io.Reader object. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **Clob.**[**getCharacterStream**](http://docs.google.com/java/sql/Clob.html#getCharacterStream(long,%20long))(long pos, long length)            Returns a Reader object that contains a partial Clob value, starting with the character specified by pos, which is length characters in length. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **CallableStatement.**[**getCharacterStream**](http://docs.google.com/java/sql/CallableStatement.html#getCharacterStream(java.lang.String))([String](http://docs.google.com/java/lang/String.html) parameterName)            Retrieves the value of the designated parameter as a java.io.Reader object in the Java programming language. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **ResultSet.**[**getCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#getCharacterStream(java.lang.String))([String](http://docs.google.com/java/lang/String.html) columnLabel)            Retrieves the value of the designated column in the current row of this ResultSet object as a java.io.Reader object. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **CallableStatement.**[**getNCharacterStream**](http://docs.google.com/java/sql/CallableStatement.html#getNCharacterStream(int))(int parameterIndex)            Retrieves the value of the designated parameter as a java.io.Reader object in the Java programming language. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **ResultSet.**[**getNCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#getNCharacterStream(int))(int columnIndex)            Retrieves the value of the designated column in the current row of this ResultSet object as a java.io.Reader object. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **CallableStatement.**[**getNCharacterStream**](http://docs.google.com/java/sql/CallableStatement.html#getNCharacterStream(java.lang.String))([String](http://docs.google.com/java/lang/String.html) parameterName)            Retrieves the value of the designated parameter as a java.io.Reader object in the Java programming language. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **ResultSet.**[**getNCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#getNCharacterStream(java.lang.String))([String](http://docs.google.com/java/lang/String.html) columnLabel)            Retrieves the value of the designated column in the current row of this ResultSet object as a java.io.Reader object. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **SQLInput.**[**readCharacterStream**](http://docs.google.com/java/sql/SQLInput.html#readCharacterStream())()            Reads the next attribute in the stream and returns it as a stream of Unicode characters. |

| Methods in [java.sql](http://docs.google.com/java/sql/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **PreparedStatement.**[**setCharacterStream**](http://docs.google.com/java/sql/PreparedStatement.html#setCharacterStream(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to the given Reader object. |
| void | **PreparedStatement.**[**setCharacterStream**](http://docs.google.com/java/sql/PreparedStatement.html#setCharacterStream(int,%20java.io.Reader,%20int))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, int length)            Sets the designated parameter to the given Reader object, which is the given number of characters long. |
| void | **PreparedStatement.**[**setCharacterStream**](http://docs.google.com/java/sql/PreparedStatement.html#setCharacterStream(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to the given Reader object, which is the given number of characters long. |
| void | **CallableStatement.**[**setCharacterStream**](http://docs.google.com/java/sql/CallableStatement.html#setCharacterStream(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to the given Reader object. |
| void | **CallableStatement.**[**setCharacterStream**](http://docs.google.com/java/sql/CallableStatement.html#setCharacterStream(java.lang.String,%20java.io.Reader,%20int))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, int length)            Sets the designated parameter to the given Reader object, which is the given number of characters long. |
| void | **CallableStatement.**[**setCharacterStream**](http://docs.google.com/java/sql/CallableStatement.html#setCharacterStream(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to the given Reader object, which is the given number of characters long. |
| void | **PreparedStatement.**[**setClob**](http://docs.google.com/java/sql/PreparedStatement.html#setClob(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **PreparedStatement.**[**setClob**](http://docs.google.com/java/sql/PreparedStatement.html#setClob(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **CallableStatement.**[**setClob**](http://docs.google.com/java/sql/CallableStatement.html#setClob(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **CallableStatement.**[**setClob**](http://docs.google.com/java/sql/CallableStatement.html#setClob(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **PreparedStatement.**[**setNCharacterStream**](http://docs.google.com/java/sql/PreparedStatement.html#setNCharacterStream(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) value)            Sets the designated parameter to a Reader object. |
| void | **PreparedStatement.**[**setNCharacterStream**](http://docs.google.com/java/sql/PreparedStatement.html#setNCharacterStream(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) value, long length)            Sets the designated parameter to a Reader object. |
| void | **CallableStatement.**[**setNCharacterStream**](http://docs.google.com/java/sql/CallableStatement.html#setNCharacterStream(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) value)            Sets the designated parameter to a Reader object. |
| void | **CallableStatement.**[**setNCharacterStream**](http://docs.google.com/java/sql/CallableStatement.html#setNCharacterStream(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) value, long length)            Sets the designated parameter to a Reader object. |
| void | **PreparedStatement.**[**setNClob**](http://docs.google.com/java/sql/PreparedStatement.html#setNClob(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **PreparedStatement.**[**setNClob**](http://docs.google.com/java/sql/PreparedStatement.html#setNClob(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **CallableStatement.**[**setNClob**](http://docs.google.com/java/sql/CallableStatement.html#setNClob(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **CallableStatement.**[**setNClob**](http://docs.google.com/java/sql/CallableStatement.html#setNClob(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **ResultSet.**[**updateCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateCharacterStream(int,%20java.io.Reader))(int columnIndex, [Reader](http://docs.google.com/java/io/Reader.html) x)            Updates the designated column with a character stream value. |
| void | **ResultSet.**[**updateCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateCharacterStream(int,%20java.io.Reader,%20int))(int columnIndex, [Reader](http://docs.google.com/java/io/Reader.html) x, int length)            Updates the designated column with a character stream value, which will have the specified number of bytes. |
| void | **ResultSet.**[**updateCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateCharacterStream(int,%20java.io.Reader,%20long))(int columnIndex, [Reader](http://docs.google.com/java/io/Reader.html) x, long length)            Updates the designated column with a character stream value, which will have the specified number of bytes. |
| void | **ResultSet.**[**updateCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateCharacterStream(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Updates the designated column with a character stream value. |
| void | **ResultSet.**[**updateCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateCharacterStream(java.lang.String,%20java.io.Reader,%20int))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Reader](http://docs.google.com/java/io/Reader.html) reader, int length)            Updates the designated column with a character stream value, which will have the specified number of bytes. |
| void | **ResultSet.**[**updateCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateCharacterStream(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Updates the designated column with a character stream value, which will have the specified number of bytes. |
| void | **ResultSet.**[**updateClob**](http://docs.google.com/java/sql/ResultSet.html#updateClob(int,%20java.io.Reader))(int columnIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Updates the designated column using the given Reader object. |
| void | **ResultSet.**[**updateClob**](http://docs.google.com/java/sql/ResultSet.html#updateClob(int,%20java.io.Reader,%20long))(int columnIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Updates the designated column using the given Reader object, which is the given number of characters long. |
| void | **ResultSet.**[**updateClob**](http://docs.google.com/java/sql/ResultSet.html#updateClob(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Updates the designated column using the given Reader object. |
| void | **ResultSet.**[**updateClob**](http://docs.google.com/java/sql/ResultSet.html#updateClob(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Updates the designated column using the given Reader object, which is the given number of characters long. |
| void | **ResultSet.**[**updateNCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateNCharacterStream(int,%20java.io.Reader))(int columnIndex, [Reader](http://docs.google.com/java/io/Reader.html) x)            Updates the designated column with a character stream value. |
| void | **ResultSet.**[**updateNCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateNCharacterStream(int,%20java.io.Reader,%20long))(int columnIndex, [Reader](http://docs.google.com/java/io/Reader.html) x, long length)            Updates the designated column with a character stream value, which will have the specified number of bytes. |
| void | **ResultSet.**[**updateNCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateNCharacterStream(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Updates the designated column with a character stream value. |
| void | **ResultSet.**[**updateNCharacterStream**](http://docs.google.com/java/sql/ResultSet.html#updateNCharacterStream(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Updates the designated column with a character stream value, which will have the specified number of bytes. |
| void | **ResultSet.**[**updateNClob**](http://docs.google.com/java/sql/ResultSet.html#updateNClob(int,%20java.io.Reader))(int columnIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Updates the designated column using the given Reader The data will be read from the stream as needed until end-of-stream is reached. |
| void | **ResultSet.**[**updateNClob**](http://docs.google.com/java/sql/ResultSet.html#updateNClob(int,%20java.io.Reader,%20long))(int columnIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Updates the designated column using the given Reader object, which is the given number of characters long. |
| void | **ResultSet.**[**updateNClob**](http://docs.google.com/java/sql/ResultSet.html#updateNClob(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Updates the designated column using the given Reader object. |
| void | **ResultSet.**[**updateNClob**](http://docs.google.com/java/sql/ResultSet.html#updateNClob(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) columnLabel, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Updates the designated column using the given Reader object, which is the given number of characters long. |
| void | **SQLOutput.**[**writeCharacterStream**](http://docs.google.com/java/sql/SQLOutput.html#writeCharacterStream(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) x)            Writes the next attribute to the stream as a stream of Unicode characters. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
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| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
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| void | **Properties.**[**load**](http://docs.google.com/java/util/Properties.html#load(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Reads a property list (key and element pairs) from the input character stream in a simple line-oriented format. |

| Constructors in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
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| [**PropertyResourceBundle**](http://docs.google.com/java/util/PropertyResourceBundle.html#PropertyResourceBundle(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Creates a property resource bundle from a [Reader](http://docs.google.com/java/io/Reader.html). |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.print](http://docs.google.com/javax/print/package-summary.html) | |
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| Methods in [javax.print](http://docs.google.com/javax/print/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
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| [Reader](http://docs.google.com/java/io/Reader.html) | **SimpleDoc.**[**getReaderForText**](http://docs.google.com/javax/print/SimpleDoc.html#getReaderForText())()            Obtains a reader for extracting character print data from this doc. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **Doc.**[**getReaderForText**](http://docs.google.com/javax/print/Doc.html#getReaderForText())()            Obtains a reader for extracting character print data from this doc. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.script](http://docs.google.com/javax/script/package-summary.html) | |
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| Fields in [javax.script](http://docs.google.com/javax/script/package-summary.html) declared as [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| protected  [Reader](http://docs.google.com/java/io/Reader.html) | **SimpleScriptContext.**[**reader**](http://docs.google.com/javax/script/SimpleScriptContext.html#reader)            This is the reader to be used for input from scripts. |

| Methods in [javax.script](http://docs.google.com/javax/script/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
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| [Reader](http://docs.google.com/java/io/Reader.html) | **SimpleScriptContext.**[**getReader**](http://docs.google.com/javax/script/SimpleScriptContext.html#getReader())()            Returns a Reader to be used by the script to read input. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **ScriptContext.**[**getReader**](http://docs.google.com/javax/script/ScriptContext.html#getReader())()            Returns a Reader to be used by the script to read input. |

| Methods in [javax.script](http://docs.google.com/javax/script/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
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| [CompiledScript](http://docs.google.com/javax/script/CompiledScript.html) | **Compilable.**[**compile**](http://docs.google.com/javax/script/Compilable.html#compile(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) script)            Compiles the script (source read from Reader) for later execution. |
| [Object](http://docs.google.com/java/lang/Object.html) | **ScriptEngine.**[**eval**](http://docs.google.com/javax/script/ScriptEngine.html#eval(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Same as eval(String) except that the source of the script is provided as a Reader |
| [Object](http://docs.google.com/java/lang/Object.html) | **AbstractScriptEngine.**[**eval**](http://docs.google.com/javax/script/AbstractScriptEngine.html#eval(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            eval(Reader) calls the abstract eval(Reader, ScriptContext) passing the value of the context field. |
| [Object](http://docs.google.com/java/lang/Object.html) | **ScriptEngine.**[**eval**](http://docs.google.com/javax/script/ScriptEngine.html#eval(java.io.Reader,%20javax.script.Bindings))([Reader](http://docs.google.com/java/io/Reader.html) reader, [Bindings](http://docs.google.com/javax/script/Bindings.html) n)            Same as eval(String, Bindings) except that the source of the script is provided as a Reader. |
| [Object](http://docs.google.com/java/lang/Object.html) | **AbstractScriptEngine.**[**eval**](http://docs.google.com/javax/script/AbstractScriptEngine.html#eval(java.io.Reader,%20javax.script.Bindings))([Reader](http://docs.google.com/java/io/Reader.html) reader, [Bindings](http://docs.google.com/javax/script/Bindings.html) bindings)            eval(Reader, Bindings) calls the abstract eval(Reader, ScriptContext) method, passing it a ScriptContext whose Reader, Writers and Bindings for scopes other that ENGINE\_SCOPE are identical to those members of the protected context field. |
| [Object](http://docs.google.com/java/lang/Object.html) | **ScriptEngine.**[**eval**](http://docs.google.com/javax/script/ScriptEngine.html#eval(java.io.Reader,%20javax.script.ScriptContext))([Reader](http://docs.google.com/java/io/Reader.html) reader, [ScriptContext](http://docs.google.com/javax/script/ScriptContext.html) context)            Same as eval(String, ScriptContext) where the source of the script is read from a Reader. |
| void | **SimpleScriptContext.**[**setReader**](http://docs.google.com/javax/script/SimpleScriptContext.html#setReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the Reader for scripts to read input . |
| void | **ScriptContext.**[**setReader**](http://docs.google.com/javax/script/ScriptContext.html#setReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the Reader for scripts to read input . |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.sql](http://docs.google.com/javax/sql/package-summary.html) | |
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| Methods in [javax.sql](http://docs.google.com/javax/sql/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **RowSet.**[**setCharacterStream**](http://docs.google.com/javax/sql/RowSet.html#setCharacterStream(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter in this RowSet object's command to the given Reader object. |
| void | **RowSet.**[**setCharacterStream**](http://docs.google.com/javax/sql/RowSet.html#setCharacterStream(int,%20java.io.Reader,%20int))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, int length)            Sets the designated parameter in this RowSet object's command to the given java.io.Reader value. |
| void | **RowSet.**[**setCharacterStream**](http://docs.google.com/javax/sql/RowSet.html#setCharacterStream(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to the given Reader object. |
| void | **RowSet.**[**setCharacterStream**](http://docs.google.com/javax/sql/RowSet.html#setCharacterStream(java.lang.String,%20java.io.Reader,%20int))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, int length)            Sets the designated parameter to the given Reader object, which is the given number of characters long. |
| void | **RowSet.**[**setClob**](http://docs.google.com/javax/sql/RowSet.html#setClob(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setClob**](http://docs.google.com/javax/sql/RowSet.html#setClob(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setClob**](http://docs.google.com/javax/sql/RowSet.html#setClob(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setClob**](http://docs.google.com/javax/sql/RowSet.html#setClob(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setNCharacterStream**](http://docs.google.com/javax/sql/RowSet.html#setNCharacterStream(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) value)            Sets the designated parameter in this RowSet object's command to a Reader object. |
| void | **RowSet.**[**setNCharacterStream**](http://docs.google.com/javax/sql/RowSet.html#setNCharacterStream(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) value, long length)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setNCharacterStream**](http://docs.google.com/javax/sql/RowSet.html#setNCharacterStream(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) value)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setNCharacterStream**](http://docs.google.com/javax/sql/RowSet.html#setNCharacterStream(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) value, long length)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setNClob**](http://docs.google.com/javax/sql/RowSet.html#setNClob(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setNClob**](http://docs.google.com/javax/sql/RowSet.html#setNClob(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setNClob**](http://docs.google.com/javax/sql/RowSet.html#setNClob(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **RowSet.**[**setNClob**](http://docs.google.com/javax/sql/RowSet.html#setNClob(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) | |
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| Fields in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) declared as [Reader](http://docs.google.com/java/io/Reader.html) | |
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| protected  [Reader](http://docs.google.com/java/io/Reader.html) | **BaseRowSet.**[**charStream**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#charStream)            The Reader object that will be returned by the method getCharacterStream, which is specified in the ResultSet interface. |

| Methods in [javax.sql.rowset](http://docs.google.com/javax/sql/rowset/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **WebRowSet.**[**readXml**](http://docs.google.com/javax/sql/rowset/WebRowSet.html#readXml(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Reads a WebRowSet object in its XML format from the given Reader object. |
| void | **BaseRowSet.**[**setCharacterStream**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setCharacterStream(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter in this RowSet object's command to the given Reader object. |
| void | **BaseRowSet.**[**setCharacterStream**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setCharacterStream(int,%20java.io.Reader,%20int))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, int length)            Sets the designated parameter to the given java.io.Reader object, which will have the specified number of characters. |
| void | **BaseRowSet.**[**setCharacterStream**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setCharacterStream(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to the given Reader object. |
| void | **BaseRowSet.**[**setCharacterStream**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setCharacterStream(java.lang.String,%20java.io.Reader,%20int))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, int length)            Sets the designated parameter to the given Reader object, which is the given number of characters long. |
| void | **BaseRowSet.**[**setClob**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setClob(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setClob**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setClob(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setClob**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setClob(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setClob**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setClob(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setNCharacterStream**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setNCharacterStream(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) value)            Sets the designated parameter in this RowSet object's command to a Reader object. |
| void | **BaseRowSet.**[**setNCharacterStream**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setNCharacterStream(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) value, long length)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setNCharacterStream**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setNCharacterStream(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) value)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setNCharacterStream**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setNCharacterStream(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) value, long length)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setNClob**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setNClob(int,%20java.io.Reader))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setNClob**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setNClob(int,%20java.io.Reader,%20long))(int parameterIndex, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setNClob**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setNClob(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Sets the designated parameter to a Reader object. |
| void | **BaseRowSet.**[**setNClob**](http://docs.google.com/javax/sql/rowset/BaseRowSet.html#setNClob(java.lang.String,%20java.io.Reader,%20long))([String](http://docs.google.com/java/lang/String.html) parameterName, [Reader](http://docs.google.com/java/io/Reader.html) reader, long length)            Sets the designated parameter to a Reader object. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) | |
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| Methods in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [Reader](http://docs.google.com/java/io/Reader.html) | **SerialClob.**[**getCharacterStream**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#getCharacterStream())()            Returns this SerialClob object's data as a stream of Unicode characters. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **SerialClob.**[**getCharacterStream**](http://docs.google.com/javax/sql/rowset/serial/SerialClob.html#getCharacterStream(long,%20long))(long pos, long length) |
| [Reader](http://docs.google.com/java/io/Reader.html) | **SQLInputImpl.**[**readCharacterStream**](http://docs.google.com/javax/sql/rowset/serial/SQLInputImpl.html#readCharacterStream())()            Retrieves the next attribute in this SQLInputImpl object as a stream of Unicode characters. |

| Methods in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **SQLOutputImpl.**[**writeCharacterStream**](http://docs.google.com/javax/sql/rowset/serial/SQLOutputImpl.html#writeCharacterStream(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) x)            Writes a stream of Unicode characters to this SQLOutputImpl object. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.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 [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **XmlReader.**[**readXML**](http://docs.google.com/javax/sql/rowset/spi/XmlReader.html#readXML(javax.sql.rowset.WebRowSet,%20java.io.Reader))([WebRowSet](http://docs.google.com/javax/sql/rowset/WebRowSet.html) caller, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Reads and parses the given WebRowSet object from the given input stream in XML format. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.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) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **DefaultEditorKit.**[**read**](http://docs.google.com/javax/swing/text/DefaultEditorKit.html#read(java.io.Reader,%20javax.swing.text.Document,%20int))([Reader](http://docs.google.com/java/io/Reader.html) in, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos)            Inserts content from the given stream, which will be treated as plain text. |
| abstract  void | **EditorKit.**[**read**](http://docs.google.com/javax/swing/text/EditorKit.html#read(java.io.Reader,%20javax.swing.text.Document,%20int))([Reader](http://docs.google.com/java/io/Reader.html) in, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos)            Inserts content from the given stream which is expected to be in a format appropriate for this kind of content handler. |
| void | **JTextComponent.**[**read**](http://docs.google.com/javax/swing/text/JTextComponent.html#read(java.io.Reader,%20java.lang.Object))([Reader](http://docs.google.com/java/io/Reader.html) in, [Object](http://docs.google.com/java/lang/Object.html) desc)            Initializes from a stream. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) | |
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| Methods in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **StyleSheet.**[**loadRules**](http://docs.google.com/javax/swing/text/html/StyleSheet.html#loadRules(java.io.Reader,%20java.net.URL))([Reader](http://docs.google.com/java/io/Reader.html) in, [URL](http://docs.google.com/java/net/URL.html) ref)            Loads a set of rules that have been specified in terms of CSS1 grammar. |
| abstract  void | **HTMLEditorKit.Parser.**[**parse**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.Parser.html#parse(java.io.Reader,%20javax.swing.text.html.HTMLEditorKit.ParserCallback,%20boolean))([Reader](http://docs.google.com/java/io/Reader.html) r, [HTMLEditorKit.ParserCallback](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.ParserCallback.html) cb, boolean ignoreCharSet)            Parse the given stream and drive the given callback with the results of the parse. |
| void | **HTMLEditorKit.**[**read**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.html#read(java.io.Reader,%20javax.swing.text.Document,%20int))([Reader](http://docs.google.com/java/io/Reader.html) in, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos)            Inserts content from the given stream. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.swing.text.html.parser](http://docs.google.com/javax/swing/text/html/parser/package-summary.html) | |
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| Methods in [javax.swing.text.html.parser](http://docs.google.com/javax/swing/text/html/parser/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **Parser.**[**parse**](http://docs.google.com/javax/swing/text/html/parser/Parser.html#parse(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) in)            Parse an HTML stream, given a DTD. |
| void | **DocumentParser.**[**parse**](http://docs.google.com/javax/swing/text/html/parser/DocumentParser.html#parse(java.io.Reader,%20javax.swing.text.html.HTMLEditorKit.ParserCallback,%20boolean))([Reader](http://docs.google.com/java/io/Reader.html) in, [HTMLEditorKit.ParserCallback](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.ParserCallback.html) callback, boolean ignoreCharSet) |
| void | **ParserDelegator.**[**parse**](http://docs.google.com/javax/swing/text/html/parser/ParserDelegator.html#parse(java.io.Reader,%20javax.swing.text.html.HTMLEditorKit.ParserCallback,%20boolean))([Reader](http://docs.google.com/java/io/Reader.html) r, [HTMLEditorKit.ParserCallback](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.ParserCallback.html) cb, boolean ignoreCharSet) |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.swing.text.rtf](http://docs.google.com/javax/swing/text/rtf/package-summary.html) | |
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| Methods in [javax.swing.text.rtf](http://docs.google.com/javax/swing/text/rtf/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **RTFEditorKit.**[**read**](http://docs.google.com/javax/swing/text/rtf/RTFEditorKit.html#read(java.io.Reader,%20javax.swing.text.Document,%20int))([Reader](http://docs.google.com/java/io/Reader.html) in, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos)            Insert content from the given stream, which will be treated as plain text. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) | |
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| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [Reader](http://docs.google.com/java/io/Reader.html) | **SimpleJavaFileObject.**[**openReader**](http://docs.google.com/javax/tools/SimpleJavaFileObject.html#openReader(boolean))(boolean ignoreEncodingErrors)            Wraps the result of [SimpleJavaFileObject.getCharContent(boolean)](http://docs.google.com/javax/tools/SimpleJavaFileObject.html#getCharContent(boolean)) in a Reader. |
| [Reader](http://docs.google.com/java/io/Reader.html) | **ForwardingFileObject.**[**openReader**](http://docs.google.com/javax/tools/ForwardingFileObject.html#openReader(boolean))(boolean ignoreEncodingErrors) |
| [Reader](http://docs.google.com/java/io/Reader.html) | **FileObject.**[**openReader**](http://docs.google.com/javax/tools/FileObject.html#openReader(boolean))(boolean ignoreEncodingErrors)            Gets a reader for this object. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) | |
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| Methods in [javax.xml.bind](http://docs.google.com/javax/xml/bind/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | **Unmarshaller.**[**unmarshal**](http://docs.google.com/javax/xml/bind/Unmarshaller.html#unmarshal(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Unmarshal XML data from the specified Reader and return the resulting content tree. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) | |
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| Methods in [javax.xml.bind.helpers](http://docs.google.com/javax/xml/bind/helpers/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | **AbstractUnmarshallerImpl.**[**unmarshal**](http://docs.google.com/javax/xml/bind/helpers/AbstractUnmarshallerImpl.html#unmarshal(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader) |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) | |
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| Methods in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | **XMLInputFactory.**[**createXMLEventReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLEventReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Create a new XMLEventReader from a reader |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | **XMLInputFactory.**[**createXMLEventReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLEventReader(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) systemId, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Create a new XMLEventReader from a reader |
| abstract  [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | **XMLInputFactory.**[**createXMLStreamReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLStreamReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Create a new XMLStreamReader from a reader |
| abstract  [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | **XMLInputFactory.**[**createXMLStreamReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLStreamReader(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) systemId, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Create a new XMLStreamReader from a java.io.InputStream |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) | |
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| Methods in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [Reader](http://docs.google.com/java/io/Reader.html) | **StreamSource.**[**getReader**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#getReader())()            Get the character stream that was set with setReader. |

| Methods in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **StreamSource.**[**setReader**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#setReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Set the input to be a character reader. |

| Constructors in [javax.xml.transform.stream](http://docs.google.com/javax/xml/transform/stream/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [**StreamSource**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#StreamSource(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Construct a StreamSource from a character reader. |
| [**StreamSource**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#StreamSource(java.io.Reader,%20java.lang.String))([Reader](http://docs.google.com/java/io/Reader.html) reader, [String](http://docs.google.com/java/lang/String.html) systemId)            Construct a StreamSource from a character reader. |

| Uses of [Reader](http://docs.google.com/java/io/Reader.html) in [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) | |
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| Methods in [org.w3c.dom.ls](http://docs.google.com/org/w3c/dom/ls/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [Reader](http://docs.google.com/java/io/Reader.html) | **LSInput.**[**getCharacterStream**](http://docs.google.com/org/w3c/dom/ls/LSInput.html#getCharacterStream())()            An attribute of a language and binding dependent type that represents a stream of 16-bit units. |

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

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

| Methods in [org.xml.sax](http://docs.google.com/org/xml/sax/package-summary.html) that return [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [Reader](http://docs.google.com/java/io/Reader.html) | **InputSource.**[**getCharacterStream**](http://docs.google.com/org/xml/sax/InputSource.html#getCharacterStream())()            Get the character stream for this input source. |

| Methods in [org.xml.sax](http://docs.google.com/org/xml/sax/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| void | **InputSource.**[**setCharacterStream**](http://docs.google.com/org/xml/sax/InputSource.html#setCharacterStream(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) characterStream)            Set the character stream for this input source. |

| Constructors in [org.xml.sax](http://docs.google.com/org/xml/sax/package-summary.html) with parameters of type [Reader](http://docs.google.com/java/io/Reader.html) | |
| --- | --- |
| [**InputSource**](http://docs.google.com/org/xml/sax/InputSource.html#InputSource(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) characterStream)            Create a new input source with a character stream. |

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