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

**Uses of Class**

**java.io.PrintWriter**

| Packages that use [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.io**](#2et92p0) | Provides for system input and output through data streams, serialization and the file system. |
| [**java.lang**](#tyjcwt) | Provides classes that are fundamental to the design of the Java programming language. |
| [**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.sql**](#4d34og8) | Provides the API for server side data source access and processing from the JavaTM programming language. |
| [**javax.xml.bind**](#2s8eyo1) | Provides a runtime binding framework for client applications including unmarshalling, marshalling, and validation capabilities. |
| [**javax.xml.crypto**](#17dp8vu) | Common classes for XML cryptography. |
| [**javax.xml.crypto.dsig**](#3rdcrjn) | Classes for generating and validating XML digital signatures. |
| [**javax.xml.transform**](#26in1rg) | This package defines the generic APIs for processing transformation instructions, and performing a transformation from source to result. |
| [**javax.xml.xpath**](#lnxbz9) | This package provides an *object-model neutral* API for the evaluation of XPath expressions and access to the evaluation environment. |

| Uses of [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
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| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| void | **Component.**[**list**](http://docs.google.com/java/awt/Component.html#list(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) out)            Prints a listing to the specified print writer. |
| void | **Container.**[**list**](http://docs.google.com/java/awt/Container.html#list(java.io.PrintWriter,%20int))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) out, int indent)            Prints out a list, starting at the specified indentation, to the specified print writer. |
| void | **Component.**[**list**](http://docs.google.com/java/awt/Component.html#list(java.io.PrintWriter,%20int))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) out, int indent)            Prints out a list, starting at the specified indentation, to the specified print writer. |

| Uses of [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) in [java.io](http://docs.google.com/java/io/package-summary.html) | |
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| Methods in [java.io](http://docs.google.com/java/io/package-summary.html) that return [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **PrintWriter.**[**append**](http://docs.google.com/java/io/PrintWriter.html#append(char))(char c)            Appends the specified character to this writer. |
| [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **PrintWriter.**[**append**](http://docs.google.com/java/io/PrintWriter.html#append(java.lang.CharSequence))([CharSequence](http://docs.google.com/java/lang/CharSequence.html) csq)            Appends the specified character sequence to this writer. |
| [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **PrintWriter.**[**append**](http://docs.google.com/java/io/PrintWriter.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. |
| [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **PrintWriter.**[**format**](http://docs.google.com/java/io/PrintWriter.html#format(java.util.Locale,%20java.lang.String,%20java.lang.Object...))([Locale](http://docs.google.com/java/util/Locale.html) l, [String](http://docs.google.com/java/lang/String.html) format, [Object](http://docs.google.com/java/lang/Object.html)... args)            Writes a formatted string to this writer using the specified format string and arguments. |
| [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **PrintWriter.**[**format**](http://docs.google.com/java/io/PrintWriter.html#format(java.lang.String,%20java.lang.Object...))([String](http://docs.google.com/java/lang/String.html) format, [Object](http://docs.google.com/java/lang/Object.html)... args)            Writes a formatted string to this writer using the specified format string and arguments. |
| [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **PrintWriter.**[**printf**](http://docs.google.com/java/io/PrintWriter.html#printf(java.util.Locale,%20java.lang.String,%20java.lang.Object...))([Locale](http://docs.google.com/java/util/Locale.html) l, [String](http://docs.google.com/java/lang/String.html) format, [Object](http://docs.google.com/java/lang/Object.html)... args)            A convenience method to write a formatted string to this writer using the specified format string and arguments. |
| [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **PrintWriter.**[**printf**](http://docs.google.com/java/io/PrintWriter.html#printf(java.lang.String,%20java.lang.Object...))([String](http://docs.google.com/java/lang/String.html) format, [Object](http://docs.google.com/java/lang/Object.html)... args)            A convenience method to write a formatted string to this writer using the specified format string and arguments. |
| [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **Console.**[**writer**](http://docs.google.com/java/io/Console.html#writer())()            Retrieves the unique [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) object associated with this console. |

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

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) with parameters of type [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| void | **Throwable.**[**printStackTrace**](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Prints this throwable and its backtrace to the specified print writer. |

| Uses of [PrintWriter](http://docs.google.com/java/io/PrintWriter.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 [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| static [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **DriverManager.**[**getLogWriter**](http://docs.google.com/java/sql/DriverManager.html#getLogWriter())()            Retrieves the log writer. |

| Methods in [java.sql](http://docs.google.com/java/sql/package-summary.html) with parameters of type [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| static void | **DriverManager.**[**setLogWriter**](http://docs.google.com/java/sql/DriverManager.html#setLogWriter(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) out)            Sets the logging/tracing PrintWriter object that is used by the DriverManager and all drivers. |

| Uses of [PrintWriter](http://docs.google.com/java/io/PrintWriter.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 [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| void | **Properties.**[**list**](http://docs.google.com/java/util/Properties.html#list(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) out)            Prints this property list out to the specified output stream. |

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

| Methods in [javax.sql](http://docs.google.com/javax/sql/package-summary.html) that return [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | **CommonDataSource.**[**getLogWriter**](http://docs.google.com/javax/sql/CommonDataSource.html#getLogWriter())()            Retrieves the log writer for this DataSource object. |

| Methods in [javax.sql](http://docs.google.com/javax/sql/package-summary.html) with parameters of type [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| void | **CommonDataSource.**[**setLogWriter**](http://docs.google.com/javax/sql/CommonDataSource.html#setLogWriter(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) out)            Sets the log writer for this DataSource object to the given java.io.PrintWriter object. |

| Uses of [PrintWriter](http://docs.google.com/java/io/PrintWriter.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 [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| void | **JAXBException.**[**printStackTrace**](http://docs.google.com/javax/xml/bind/JAXBException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Prints this JAXBException and its stack trace (including the stack trace of the linkedException if it is non-null) to the PrintWriter. |

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

| Methods in [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) with parameters of type [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| void | **NoSuchMechanismException.**[**printStackTrace**](http://docs.google.com/javax/xml/crypto/NoSuchMechanismException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Prints this NoSuchMechanismException, its backtrace and the cause's backtrace to the specified print writer. |
| void | **URIReferenceException.**[**printStackTrace**](http://docs.google.com/javax/xml/crypto/URIReferenceException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Prints this URIReferenceException, its backtrace and the cause's backtrace to the specified print writer. |
| void | **MarshalException.**[**printStackTrace**](http://docs.google.com/javax/xml/crypto/MarshalException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Prints this MarshalException, its backtrace and the cause's backtrace to the specified print writer. |
| void | **KeySelectorException.**[**printStackTrace**](http://docs.google.com/javax/xml/crypto/KeySelectorException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Prints this KeySelectorException, its backtrace and the cause's backtrace to the specified print writer. |

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

| Methods in [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) with parameters of type [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| void | **XMLSignatureException.**[**printStackTrace**](http://docs.google.com/javax/xml/crypto/dsig/XMLSignatureException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Prints this XMLSignatureException, its backtrace and the cause's backtrace to the specified print writer. |
| void | **TransformException.**[**printStackTrace**](http://docs.google.com/javax/xml/crypto/dsig/TransformException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Prints this TransformException, its backtrace and the cause's backtrace to the specified print writer. |

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

| Methods in [javax.xml.transform](http://docs.google.com/javax/xml/transform/package-summary.html) with parameters of type [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| void | **TransformerException.**[**printStackTrace**](http://docs.google.com/javax/xml/transform/TransformerException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Print the the trace of methods from where the error originated. |

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

| Methods in [javax.xml.xpath](http://docs.google.com/javax/xml/xpath/package-summary.html) with parameters of type [PrintWriter](http://docs.google.com/java/io/PrintWriter.html) | |
| --- | --- |
| void | **XPathException.**[**printStackTrace**](http://docs.google.com/javax/xml/xpath/XPathException.html#printStackTrace(java.io.PrintWriter))([PrintWriter](http://docs.google.com/java/io/PrintWriter.html) s)            Print stack trace to specified PrintWriter. |

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