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

**Uses of Interface**

**javax.tools.JavaFileObject**

| Packages that use [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | |
| --- | --- |
| [**javax.annotation.processing**](#3znysh7) | Facilities for declaring annotation processors and for allowing annotation processors to communicate with an annotation processing tool environment. |
| [**javax.tools**](#2et92p0) | Provides interfaces for tools which can be invoked from a program, for example, compilers. |

| Uses of [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) | |
| --- | --- |

| Methods in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) that return [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | |
| --- | --- |
| [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | **Filer.**[**createClassFile**](http://docs.google.com/javax/annotation/processing/Filer.html#createClassFile(java.lang.CharSequence,%20javax.lang.model.element.Element...))([CharSequence](http://docs.google.com/java/lang/CharSequence.html) name, [Element](http://docs.google.com/javax/lang/model/element/Element.html)... originatingElements)            Creates a new class file, and returns an object to allow writing to it. |
| [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | **Filer.**[**createSourceFile**](http://docs.google.com/javax/annotation/processing/Filer.html#createSourceFile(java.lang.CharSequence,%20javax.lang.model.element.Element...))([CharSequence](http://docs.google.com/java/lang/CharSequence.html) name, [Element](http://docs.google.com/javax/lang/model/element/Element.html)... originatingElements)            Creates a new source file and returns an object to allow writing to it. |

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

| Classes in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) with type parameters of type [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | |
| --- | --- |
| class | [**ForwardingJavaFileObject<F extends JavaFileObject>**](http://docs.google.com/javax/tools/ForwardingJavaFileObject.html)            Forwards calls to a given file object. |

| Classes in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) that implement [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | |
| --- | --- |
| class | [**ForwardingJavaFileObject<F extends JavaFileObject>**](http://docs.google.com/javax/tools/ForwardingJavaFileObject.html)            Forwards calls to a given file object. |
| class | [**SimpleJavaFileObject**](http://docs.google.com/javax/tools/SimpleJavaFileObject.html)            Provides simple implementations for most methods in JavaFileObject. |

| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) that return [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | |
| --- | --- |
| [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | **ForwardingJavaFileManager.**[**getJavaFileForInput**](http://docs.google.com/javax/tools/ForwardingJavaFileManager.html#getJavaFileForInput(javax.tools.JavaFileManager.Location,%20java.lang.String,%20javax.tools.JavaFileObject.Kind))([JavaFileManager.Location](http://docs.google.com/javax/tools/JavaFileManager.Location.html) location, [String](http://docs.google.com/java/lang/String.html) className, [JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html) kind) |
| [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | **JavaFileManager.**[**getJavaFileForInput**](http://docs.google.com/javax/tools/JavaFileManager.html#getJavaFileForInput(javax.tools.JavaFileManager.Location,%20java.lang.String,%20javax.tools.JavaFileObject.Kind))([JavaFileManager.Location](http://docs.google.com/javax/tools/JavaFileManager.Location.html) location, [String](http://docs.google.com/java/lang/String.html) className, [JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html) kind)            Gets a [file object](http://docs.google.com/javax/tools/JavaFileObject.html) for input representing the specified class of the specified kind in the given location. |
| [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | **ForwardingJavaFileManager.**[**getJavaFileForOutput**](http://docs.google.com/javax/tools/ForwardingJavaFileManager.html#getJavaFileForOutput(javax.tools.JavaFileManager.Location,%20java.lang.String,%20javax.tools.JavaFileObject.Kind,%20javax.tools.FileObject))([JavaFileManager.Location](http://docs.google.com/javax/tools/JavaFileManager.Location.html) location, [String](http://docs.google.com/java/lang/String.html) className, [JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html) kind, [FileObject](http://docs.google.com/javax/tools/FileObject.html) sibling) |
| [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | **JavaFileManager.**[**getJavaFileForOutput**](http://docs.google.com/javax/tools/JavaFileManager.html#getJavaFileForOutput(javax.tools.JavaFileManager.Location,%20java.lang.String,%20javax.tools.JavaFileObject.Kind,%20javax.tools.FileObject))([JavaFileManager.Location](http://docs.google.com/javax/tools/JavaFileManager.Location.html) location, [String](http://docs.google.com/java/lang/String.html) className, [JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html) kind, [FileObject](http://docs.google.com/javax/tools/FileObject.html) sibling)            Gets a [file object](http://docs.google.com/javax/tools/JavaFileObject.html) for output representing the specified class of the specified kind in the given location. |

| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) that return types with arguments of type [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | |
| --- | --- |
| [Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> | **StandardJavaFileManager.**[**getJavaFileObjects**](http://docs.google.com/javax/tools/StandardJavaFileManager.html#getJavaFileObjects(java.io.File...))([File](http://docs.google.com/java/io/File.html)... files)            Gets file objects representing the given files. |
| [Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> | **StandardJavaFileManager.**[**getJavaFileObjects**](http://docs.google.com/javax/tools/StandardJavaFileManager.html#getJavaFileObjects(java.lang.String...))([String](http://docs.google.com/java/lang/String.html)... names)            Gets file objects representing the given file names. |
| [Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> | **StandardJavaFileManager.**[**getJavaFileObjectsFromFiles**](http://docs.google.com/javax/tools/StandardJavaFileManager.html#getJavaFileObjectsFromFiles(java.lang.Iterable))([Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [File](http://docs.google.com/java/io/File.html)> files)            Gets file objects representing the given files. |
| [Iterable](http://docs.google.com/java/lang/Iterable.html)<? extends [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> | **StandardJavaFileManager.**[**getJavaFileObjectsFromStrings**](http://docs.google.com/javax/tools/StandardJavaFileManager.html#getJavaFileObjectsFromStrings(java.lang.Iterable))([Iterable](http://docs.google.com/java/lang/Iterable.html)<[String](http://docs.google.com/java/lang/String.html)> names)            Gets file objects representing the given file names. |
| [Iterable](http://docs.google.com/java/lang/Iterable.html)<[JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> | **ForwardingJavaFileManager.**[**list**](http://docs.google.com/javax/tools/ForwardingJavaFileManager.html#list(javax.tools.JavaFileManager.Location,%20java.lang.String,%20java.util.Set,%20boolean))([JavaFileManager.Location](http://docs.google.com/javax/tools/JavaFileManager.Location.html) location, [String](http://docs.google.com/java/lang/String.html) packageName, [Set](http://docs.google.com/java/util/Set.html)<[JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html)> kinds, boolean recurse) |
| [Iterable](http://docs.google.com/java/lang/Iterable.html)<[JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> | **JavaFileManager.**[**list**](http://docs.google.com/javax/tools/JavaFileManager.html#list(javax.tools.JavaFileManager.Location,%20java.lang.String,%20java.util.Set,%20boolean))([JavaFileManager.Location](http://docs.google.com/javax/tools/JavaFileManager.Location.html) location, [String](http://docs.google.com/java/lang/String.html) packageName, [Set](http://docs.google.com/java/util/Set.html)<[JavaFileObject.Kind](http://docs.google.com/javax/tools/JavaFileObject.Kind.html)> kinds, boolean recurse)            Lists all file objects matching the given criteria in the given location. |

| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) with parameters of type [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | **ForwardingJavaFileManager.**[**inferBinaryName**](http://docs.google.com/javax/tools/ForwardingJavaFileManager.html#inferBinaryName(javax.tools.JavaFileManager.Location,%20javax.tools.JavaFileObject))([JavaFileManager.Location](http://docs.google.com/javax/tools/JavaFileManager.Location.html) location, [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) file) |
| [String](http://docs.google.com/java/lang/String.html) | **JavaFileManager.**[**inferBinaryName**](http://docs.google.com/javax/tools/JavaFileManager.html#inferBinaryName(javax.tools.JavaFileManager.Location,%20javax.tools.JavaFileObject))([JavaFileManager.Location](http://docs.google.com/javax/tools/JavaFileManager.Location.html) location, [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) file)            Infers a binary name of a file object based on a location. |

| Method parameters in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) with type arguments of type [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html) | |
| --- | --- |
| [StandardJavaFileManager](http://docs.google.com/javax/tools/StandardJavaFileManager.html) | **JavaCompiler.**[**getStandardFileManager**](http://docs.google.com/javax/tools/JavaCompiler.html#getStandardFileManager(javax.tools.DiagnosticListener,%20java.util.Locale,%20java.nio.charset.Charset))([DiagnosticListener](http://docs.google.com/javax/tools/DiagnosticListener.html)<? super [JavaFileObject](http://docs.google.com/javax/tools/JavaFileObject.html)> diagnosticListener, [Locale](http://docs.google.com/java/util/Locale.html) locale, [Charset](http://docs.google.com/java/nio/charset/Charset.html) charset)            Gets a new instance of the standard file manager implementation for this tool. |
| [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. |
| [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. |

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