| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.html) | [**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 PACKAGE**](http://docs.google.com/javax/lang/model/type/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/management/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/util/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

## Package javax.lang.model.util

Utilities to assist in the processing of [program elements](http://docs.google.com/javax/lang/model/element/package-summary.html) and [types](http://docs.google.com/javax/lang/model/type/package-summary.html).

**See:**

[**Description**](#3znysh7)

| **Interface Summary** | |
| --- | --- |
| [**Elements**](http://docs.google.com/javax/lang/model/util/Elements.html) | Utility methods for operating on program elements. |
| [**Types**](http://docs.google.com/javax/lang/model/util/Types.html) | Utility methods for operating on types. |

| **Class Summary** | |
| --- | --- |
| [**AbstractAnnotationValueVisitor6<R,P>**](http://docs.google.com/javax/lang/model/util/AbstractAnnotationValueVisitor6.html) | A skeletal visitor for annotation values with default behavior appropriate for the [RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6) source version. |
| [**AbstractElementVisitor6<R,P>**](http://docs.google.com/javax/lang/model/util/AbstractElementVisitor6.html) | A skeletal visitor of program elements with default behavior appropriate for the [RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6) source version. |
| [**AbstractTypeVisitor6<R,P>**](http://docs.google.com/javax/lang/model/util/AbstractTypeVisitor6.html) | A skeletal visitor of types with default behavior appropriate for the version 6 language level. |
| [**ElementFilter**](http://docs.google.com/javax/lang/model/util/ElementFilter.html) | Filters for selecting just the elements of interest from a collection of elements. |
| [**ElementKindVisitor6<R,P>**](http://docs.google.com/javax/lang/model/util/ElementKindVisitor6.html) | A visitor of program elements based on their [kind](http://docs.google.com/javax/lang/model/element/ElementKind.html) with default behavior appropriate for the [RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6) source version. |
| [**ElementScanner6<R,P>**](http://docs.google.com/javax/lang/model/util/ElementScanner6.html) | A scanning visitor of program elements with default behavior appropriate for the [RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6) source version. |
| [**SimpleAnnotationValueVisitor6<R,P>**](http://docs.google.com/javax/lang/model/util/SimpleAnnotationValueVisitor6.html) | A simple visitor for annotation values with default behavior appropriate for the [RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6) source version. |
| [**SimpleElementVisitor6<R,P>**](http://docs.google.com/javax/lang/model/util/SimpleElementVisitor6.html) | A simple visitor of program elements with default behavior appropriate for the [RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6) source version. |
| [**SimpleTypeVisitor6<R,P>**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | A simple visitor of types with default behavior appropriate for the [RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6) source version. |
| [**TypeKindVisitor6<R,P>**](http://docs.google.com/javax/lang/model/util/TypeKindVisitor6.html) | A visitor of types based on their [kind](http://docs.google.com/javax/lang/model/type/TypeKind.html) with default behavior appropriate for the [RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6) source version. |

## Package javax.lang.model.util Description

Utilities to assist in the processing of [program elements](http://docs.google.com/javax/lang/model/element/package-summary.html) and [types](http://docs.google.com/javax/lang/model/type/package-summary.html).

Unless otherwise specified in a particular implementation, the collections returned by methods in this package should be expected to be unmodifiable by the caller and unsafe for concurrent access.

Unless otherwise specified, methods in this package will throw a NullPointerException if given a null argument.

**Since:** 1.6

| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.html) | [**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 PACKAGE**](http://docs.google.com/javax/lang/model/type/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/management/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/util/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.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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