| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Messager.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 CLASS**](http://docs.google.com/javax/annotation/processing/FilerException.html)   [**NEXT CLASS**](http://docs.google.com/javax/annotation/processing/ProcessingEnvironment.html) | [**FRAMES**](http://docs.google.com/index.html?javax/annotation/processing/Messager.html)    [**NO FRAMES**](http://docs.google.com/Messager.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **javax.annotation.processing**

Interface Messager

public interface **Messager**

A Messager provides the way for an annotation processor to report error messages, warnings, and other notices. Elements, annotations, and annotation values can be passed to provide a location hint for the message. However, such location hints may be unavailable or only approximate.

Printing a message with an [error kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html#ERROR) will [raise an error](http://docs.google.com/javax/annotation/processing/RoundEnvironment.html#errorRaised()).

Note that the messages "printed" by methods in this interface may or may not appear as textual output to a location like [System.out](http://docs.google.com/java/lang/System.html#out) or [System.err](http://docs.google.com/java/lang/System.html#err). Implementations may choose to present this information in a different fashion, such as messages in a window.

**Since:** 1.6 **See Also:**[ProcessingEnvironment.getLocale()](http://docs.google.com/javax/annotation/processing/ProcessingEnvironment.html#getLocale())

| **Method Summary** | |
| --- | --- |
| void | [**printMessage**](http://docs.google.com/javax/annotation/processing/Messager.html#printMessage(javax.tools.Diagnostic.Kind,%20java.lang.CharSequence))([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind, [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg)            Prints a message of the specified kind. |
| void | [**printMessage**](http://docs.google.com/javax/annotation/processing/Messager.html#printMessage(javax.tools.Diagnostic.Kind,%20java.lang.CharSequence,%20javax.lang.model.element.Element))([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind, [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg, [Element](http://docs.google.com/javax/lang/model/element/Element.html) e)            Prints a message of the specified kind at the location of the element. |
| void | [**printMessage**](http://docs.google.com/javax/annotation/processing/Messager.html#printMessage(javax.tools.Diagnostic.Kind,%20java.lang.CharSequence,%20javax.lang.model.element.Element,%20javax.lang.model.element.AnnotationMirror))([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind, [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg, [Element](http://docs.google.com/javax/lang/model/element/Element.html) e, [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a)            Prints a message of the specified kind at the location of the annotation mirror of the annotated element. |
| void | [**printMessage**](http://docs.google.com/javax/annotation/processing/Messager.html#printMessage(javax.tools.Diagnostic.Kind,%20java.lang.CharSequence,%20javax.lang.model.element.Element,%20javax.lang.model.element.AnnotationMirror,%20javax.lang.model.element.AnnotationValue))([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind, [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg, [Element](http://docs.google.com/javax/lang/model/element/Element.html) e, [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a, [AnnotationValue](http://docs.google.com/javax/lang/model/element/AnnotationValue.html) v)            Prints a message of the specified kind at the location of the annotation value inside the annotation mirror of the annotated element. |

| **Method Detail** |
| --- |

### printMessage

void **printMessage**([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind,  
 [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg)

Prints a message of the specified kind.

**Parameters:**kind - the kind of messagemsg - the message, or an empty string if none

### printMessage

void **printMessage**([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind,  
 [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg,  
 [Element](http://docs.google.com/javax/lang/model/element/Element.html) e)

Prints a message of the specified kind at the location of the element.

**Parameters:**kind - the kind of messagemsg - the message, or an empty string if nonee - the element to use as a position hint

### printMessage

void **printMessage**([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind,  
 [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg,  
 [Element](http://docs.google.com/javax/lang/model/element/Element.html) e,  
 [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a)

Prints a message of the specified kind at the location of the annotation mirror of the annotated element.

**Parameters:**kind - the kind of messagemsg - the message, or an empty string if nonee - the annotated elementa - the annotation to use as a position hint

### printMessage

void **printMessage**([Diagnostic.Kind](http://docs.google.com/javax/tools/Diagnostic.Kind.html) kind,  
 [CharSequence](http://docs.google.com/java/lang/CharSequence.html) msg,  
 [Element](http://docs.google.com/javax/lang/model/element/Element.html) e,  
 [AnnotationMirror](http://docs.google.com/javax/lang/model/element/AnnotationMirror.html) a,  
 [AnnotationValue](http://docs.google.com/javax/lang/model/element/AnnotationValue.html) v)

Prints a message of the specified kind at the location of the annotation value inside the annotation mirror of the annotated element.

**Parameters:**kind - the kind of messagemsg - the message, or an empty string if nonee - the annotated elementa - the annotation containing the annotation valuev - the annotation value to use as a position hint

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Messager.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 CLASS**](http://docs.google.com/javax/annotation/processing/FilerException.html)   [**NEXT CLASS**](http://docs.google.com/javax/annotation/processing/ProcessingEnvironment.html) | [**FRAMES**](http://docs.google.com/index.html?javax/annotation/processing/Messager.html)    [**NO FRAMES**](http://docs.google.com/Messager.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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