| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RoundEnvironment.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/Processor.html)   [**NEXT CLASS**](http://docs.google.com/javax/annotation/processing/SupportedAnnotationTypes.html) | [**FRAMES**](http://docs.google.com/index.html?javax/annotation/processing/RoundEnvironment.html)    [**NO FRAMES**](http://docs.google.com/RoundEnvironment.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 RoundEnvironment

public interface **RoundEnvironment**

An annotation processing tool framework will [provide an annotation processor with an object implementing this interface](http://docs.google.com/javax/annotation/processing/Processor.html#process(java.util.Set,%20javax.annotation.processing.RoundEnvironment)) so that the processor can query for information about a round of annotation processing.

**Since:** 1.6

| **Method Summary** | |
| --- | --- |
| boolean | [**errorRaised**](http://docs.google.com/javax/annotation/processing/RoundEnvironment.html#errorRaised())()            Returns true if an error was raised in the prior round of processing; returns false otherwise. |
| [Set](http://docs.google.com/java/util/Set.html)<? extends [Element](http://docs.google.com/javax/lang/model/element/Element.html)> | [**getElementsAnnotatedWith**](http://docs.google.com/javax/annotation/processing/RoundEnvironment.html#getElementsAnnotatedWith(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html)<? extends [Annotation](http://docs.google.com/java/lang/annotation/Annotation.html)> a)            Returns the elements annotated with the given annotation type. |
| [Set](http://docs.google.com/java/util/Set.html)<? extends [Element](http://docs.google.com/javax/lang/model/element/Element.html)> | [**getElementsAnnotatedWith**](http://docs.google.com/javax/annotation/processing/RoundEnvironment.html#getElementsAnnotatedWith(javax.lang.model.element.TypeElement))([TypeElement](http://docs.google.com/javax/lang/model/element/TypeElement.html) a)            Returns the elements annotated with the given annotation type. |
| [Set](http://docs.google.com/java/util/Set.html)<? extends [Element](http://docs.google.com/javax/lang/model/element/Element.html)> | [**getRootElements**](http://docs.google.com/javax/annotation/processing/RoundEnvironment.html#getRootElements())()            Returns the root elements for annotation processing generated by the prior round. |
| boolean | [**processingOver**](http://docs.google.com/javax/annotation/processing/RoundEnvironment.html#processingOver())()            Returns true if types generated by this round will not be subject to a subsequent round of annotation processing; returns false otherwise. |

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

### processingOver

boolean **processingOver**()

Returns true if types generated by this round will not be subject to a subsequent round of annotation processing; returns false otherwise.

**Returns:**true if types generated by this round will not be subject to a subsequent round of annotation processing; returns false otherwise

### errorRaised

boolean **errorRaised**()

Returns true if an error was raised in the prior round of processing; returns false otherwise.

**Returns:**true if an error was raised in the prior round of processing; returns false otherwise

### getRootElements

[Set](http://docs.google.com/java/util/Set.html)<? extends [Element](http://docs.google.com/javax/lang/model/element/Element.html)> **getRootElements**()

Returns the root elements for annotation processing generated by the prior round.

**Returns:**the root elements for annotation processing generated by the prior round, or an empty set if there were none

### getElementsAnnotatedWith

[Set](http://docs.google.com/java/util/Set.html)<? extends [Element](http://docs.google.com/javax/lang/model/element/Element.html)> **getElementsAnnotatedWith**([TypeElement](http://docs.google.com/javax/lang/model/element/TypeElement.html) a)

Returns the elements annotated with the given annotation type. The annotation may appear directly or be inherited. Only package elements and type elements *included* in this round of annotation processing, or declarations of members, parameters, or type parameters declared within those, are returned. Included type elements are [root types](http://docs.google.com/javax/annotation/processing/RoundEnvironment.html#getRootElements()) and any member types nested within them. Elements in a package are not considered included simply because a package-info file for that package was created.

**Parameters:**a - annotation type being requested **Returns:**the elements annotated with the given annotation type, or an empty set if there are none **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the argument does not represent an annotation type

### getElementsAnnotatedWith

[Set](http://docs.google.com/java/util/Set.html)<? extends [Element](http://docs.google.com/javax/lang/model/element/Element.html)> **getElementsAnnotatedWith**([Class](http://docs.google.com/java/lang/Class.html)<? extends [Annotation](http://docs.google.com/java/lang/annotation/Annotation.html)> a)

Returns the elements annotated with the given annotation type. The annotation may appear directly or be inherited. Only package elements and type elements *included* in this round of annotation processing, or declarations of members, parameters, or type parameters declared within those, are returned. Included type elements are [root types](http://docs.google.com/javax/annotation/processing/RoundEnvironment.html#getRootElements()) and any member types nested within them. Elements in a package are not considered included simply because a package-info file for that package was created.

**Parameters:**a - annotation type being requested **Returns:**the elements annotated with the given annotation type, or an empty set if there are none **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the argument does not represent an annotation type

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/RoundEnvironment.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/Processor.html)   [**NEXT CLASS**](http://docs.google.com/javax/annotation/processing/SupportedAnnotationTypes.html) | [**FRAMES**](http://docs.google.com/index.html?javax/annotation/processing/RoundEnvironment.html)    [**NO FRAMES**](http://docs.google.com/RoundEnvironment.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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).