| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ElementKind.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/lang/model/element/Element.html)   [**NEXT CLASS**](http://docs.google.com/javax/lang/model/element/ElementVisitor.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/element/ElementKind.html)    [**NO FRAMES**](http://docs.google.com/ElementKind.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [ENUM CONSTANTS](#3znysh7) | FIELD | [METHOD](#2et92p0) | DETAIL: [ENUM CONSTANTS](#1t3h5sf) | FIELD | [METHOD](#3whwml4) |

## **javax.lang.model.element**

Enum ElementKind

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.lang.Enum](http://docs.google.com/java/lang/Enum.html)<[ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html)>  
 **javax.lang.model.element.ElementKind**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Comparable](http://docs.google.com/java/lang/Comparable.html)<[ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html)>

public enum **ElementKind**extends [Enum](http://docs.google.com/java/lang/Enum.html)<[ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html)>

The kind of an element.

Note that it is possible additional element kinds will be added to accommodate new, currently unknown, language structures added to future versions of the Java™ programming language.

**Since:** 1.6 **See Also:**[Element](http://docs.google.com/javax/lang/model/element/Element.html)

| **Enum Constant Summary** | |
| --- | --- |
| [**ANNOTATION\_TYPE**](http://docs.google.com/javax/lang/model/element/ElementKind.html#ANNOTATION_TYPE)            An annotation type. |
| [**CLASS**](http://docs.google.com/javax/lang/model/element/ElementKind.html#CLASS)            A class not described by a more specific kind (like ENUM). |
| [**CONSTRUCTOR**](http://docs.google.com/javax/lang/model/element/ElementKind.html#CONSTRUCTOR)            A constructor. |
| [**ENUM**](http://docs.google.com/javax/lang/model/element/ElementKind.html#ENUM)            An enum type. |
| [**ENUM\_CONSTANT**](http://docs.google.com/javax/lang/model/element/ElementKind.html#ENUM_CONSTANT)            An enum constant. |
| [**EXCEPTION\_PARAMETER**](http://docs.google.com/javax/lang/model/element/ElementKind.html#EXCEPTION_PARAMETER)            A parameter of an exception handler. |
| [**FIELD**](http://docs.google.com/javax/lang/model/element/ElementKind.html#FIELD)            A field not described by a more specific kind (like ENUM\_CONSTANT). |
| [**INSTANCE\_INIT**](http://docs.google.com/javax/lang/model/element/ElementKind.html#INSTANCE_INIT)            An instance initializer. |
| [**INTERFACE**](http://docs.google.com/javax/lang/model/element/ElementKind.html#INTERFACE)            An interface not described by a more specific kind (like ANNOTATION\_TYPE). |
| [**LOCAL\_VARIABLE**](http://docs.google.com/javax/lang/model/element/ElementKind.html#LOCAL_VARIABLE)            A local variable. |
| [**METHOD**](http://docs.google.com/javax/lang/model/element/ElementKind.html#METHOD)            A method. |
| [**OTHER**](http://docs.google.com/javax/lang/model/element/ElementKind.html#OTHER)            An implementation-reserved element. |
| [**PACKAGE**](http://docs.google.com/javax/lang/model/element/ElementKind.html#PACKAGE)            A package. |
| [**PARAMETER**](http://docs.google.com/javax/lang/model/element/ElementKind.html#PARAMETER)            A parameter of a method or constructor. |
| [**STATIC\_INIT**](http://docs.google.com/javax/lang/model/element/ElementKind.html#STATIC_INIT)            A static initializer. |
| [**TYPE\_PARAMETER**](http://docs.google.com/javax/lang/model/element/ElementKind.html#TYPE_PARAMETER)            A type parameter. |

| **Method Summary** | |
| --- | --- |
| boolean | [**isClass**](http://docs.google.com/javax/lang/model/element/ElementKind.html#isClass())()            Returns true if this is a kind of class: either CLASS or ENUM. |
| boolean | [**isField**](http://docs.google.com/javax/lang/model/element/ElementKind.html#isField())()            Returns true if this is a kind of field: either FIELD or ENUM\_CONSTANT. |
| boolean | [**isInterface**](http://docs.google.com/javax/lang/model/element/ElementKind.html#isInterface())()            Returns true if this is a kind of interface: either INTERFACE or ANNOTATION\_TYPE. |
| static [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) | [**valueOf**](http://docs.google.com/javax/lang/model/element/ElementKind.html#valueOf(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns the enum constant of this type with the specified name. |
| static [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html)[] | [**values**](http://docs.google.com/javax/lang/model/element/ElementKind.html#values())()            Returns an array containing the constants of this enum type, in the order they are declared. |

| **Methods inherited from class java.lang.**[**Enum**](http://docs.google.com/java/lang/Enum.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Enum.html#clone()), [compareTo](http://docs.google.com/java/lang/Enum.html#compareTo(E)), [equals](http://docs.google.com/java/lang/Enum.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Enum.html#finalize()), [getDeclaringClass](http://docs.google.com/java/lang/Enum.html#getDeclaringClass()), [hashCode](http://docs.google.com/java/lang/Enum.html#hashCode()), [name](http://docs.google.com/java/lang/Enum.html#name()), [ordinal](http://docs.google.com/java/lang/Enum.html#ordinal()), [toString](http://docs.google.com/java/lang/Enum.html#toString()), [valueOf](http://docs.google.com/java/lang/Enum.html#valueOf(java.lang.Class,%20java.lang.String)) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Enum Constant Detail** |
| --- |

### PACKAGE

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **PACKAGE**

A package.

### ENUM

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **ENUM**

An enum type.

### CLASS

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **CLASS**

A class not described by a more specific kind (like ENUM).

### ANNOTATION\_TYPE

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **ANNOTATION\_TYPE**

An annotation type.

### INTERFACE

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **INTERFACE**

An interface not described by a more specific kind (like ANNOTATION\_TYPE).

### ENUM\_CONSTANT

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **ENUM\_CONSTANT**

An enum constant.

### FIELD

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **FIELD**

A field not described by a more specific kind (like ENUM\_CONSTANT).

### PARAMETER

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **PARAMETER**

A parameter of a method or constructor.

### LOCAL\_VARIABLE

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **LOCAL\_VARIABLE**

A local variable.

### EXCEPTION\_PARAMETER

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **EXCEPTION\_PARAMETER**

A parameter of an exception handler.

### METHOD

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **METHOD**

A method.

### CONSTRUCTOR

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **CONSTRUCTOR**

A constructor.

### STATIC\_INIT

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **STATIC\_INIT**

A static initializer.

### INSTANCE\_INIT

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **INSTANCE\_INIT**

An instance initializer.

### TYPE\_PARAMETER

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **TYPE\_PARAMETER**

A type parameter.

### OTHER

public static final [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **OTHER**

An implementation-reserved element. This is not the element you are looking for.

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

### values

public static [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html)[] **values**()

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

for (ElementKind c : ElementKind.values())  
  System.out.println(c);

**Returns:**an array containing the constants of this enum type, in the order they are declared

### valueOf

public static [ElementKind](http://docs.google.com/javax/lang/model/element/ElementKind.html) **valueOf**([String](http://docs.google.com/java/lang/String.html) name)

Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

**Parameters:**name - the name of the enum constant to be returned. **Returns:**the enum constant with the specified name **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if this enum type has no constant with the specified name [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the argument is null

### isClass

public boolean **isClass**()

Returns true if this is a kind of class: either CLASS or ENUM.

**Returns:**true if this is a kind of class

### isInterface

public boolean **isInterface**()

Returns true if this is a kind of interface: either INTERFACE or ANNOTATION\_TYPE.

**Returns:**true if this is a kind of interface

### isField

public boolean **isField**()

Returns true if this is a kind of field: either FIELD or ENUM\_CONSTANT.

**Returns:**true if this is a kind of field

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ElementKind.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/lang/model/element/Element.html)   [**NEXT CLASS**](http://docs.google.com/javax/lang/model/element/ElementVisitor.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/element/ElementKind.html)    [**NO FRAMES**](http://docs.google.com/ElementKind.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [ENUM CONSTANTS](#3znysh7) | FIELD | [METHOD](#2et92p0) | DETAIL: [ENUM CONSTANTS](#1t3h5sf) | FIELD | [METHOD](#3whwml4) |

[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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