| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Modifier.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/ExecutableElement.html)   [**NEXT CLASS**](http://docs.google.com/javax/lang/model/element/Name.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/element/Modifier.html)    [**NO FRAMES**](http://docs.google.com/Modifier.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [ENUM CONSTANTS](#3znysh7) | FIELD | [METHOD](#2et92p0) | DETAIL: [ENUM CONSTANTS](#1t3h5sf) | FIELD | [METHOD](#3j2qqm3) |

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

Enum Modifier

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

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

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

Represents a modifier on a program element such as a class, method, or field.

Not all modifiers are applicable to all kinds of elements. When two or more modifiers appear in the source code of an element then it is customary, though not required, that they appear in the same order as the constants listed in the detail section below.

Note that it is possible additional modifiers will be added in future versions of the platform.

**Since:** 1.6

| **Enum Constant Summary** | |
| --- | --- |
| [**ABSTRACT**](http://docs.google.com/javax/lang/model/element/Modifier.html#ABSTRACT)            The modifier abstract |
| [**FINAL**](http://docs.google.com/javax/lang/model/element/Modifier.html#FINAL)            The modifier final |
| [**NATIVE**](http://docs.google.com/javax/lang/model/element/Modifier.html#NATIVE)            The modifier native |
| [**PRIVATE**](http://docs.google.com/javax/lang/model/element/Modifier.html#PRIVATE)            The modifier private |
| [**PROTECTED**](http://docs.google.com/javax/lang/model/element/Modifier.html#PROTECTED)            The modifier protected |
| [**PUBLIC**](http://docs.google.com/javax/lang/model/element/Modifier.html#PUBLIC)            The modifier public |
| [**STATIC**](http://docs.google.com/javax/lang/model/element/Modifier.html#STATIC)            The modifier static |
| [**STRICTFP**](http://docs.google.com/javax/lang/model/element/Modifier.html#STRICTFP)            The modifier strictfp |
| [**SYNCHRONIZED**](http://docs.google.com/javax/lang/model/element/Modifier.html#SYNCHRONIZED)            The modifier synchronized |
| [**TRANSIENT**](http://docs.google.com/javax/lang/model/element/Modifier.html#TRANSIENT)            The modifier transient |
| [**VOLATILE**](http://docs.google.com/javax/lang/model/element/Modifier.html#VOLATILE)            The modifier volatile |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/lang/model/element/Modifier.html#toString())()            Returns this modifier's name in lowercase. |
| static [Modifier](http://docs.google.com/javax/lang/model/element/Modifier.html) | [**valueOf**](http://docs.google.com/javax/lang/model/element/Modifier.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 [Modifier](http://docs.google.com/javax/lang/model/element/Modifier.html)[] | [**values**](http://docs.google.com/javax/lang/model/element/Modifier.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()), [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** |
| --- |

### PUBLIC

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

The modifier public

### PROTECTED

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

The modifier protected

### PRIVATE

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

The modifier private

### ABSTRACT

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

The modifier abstract

### STATIC

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

The modifier static

### FINAL

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

The modifier final

### TRANSIENT

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

The modifier transient

### VOLATILE

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

The modifier volatile

### SYNCHRONIZED

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

The modifier synchronized

### NATIVE

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

The modifier native

### STRICTFP

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

The modifier strictfp

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

### values

public static [Modifier](http://docs.google.com/javax/lang/model/element/Modifier.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 (Modifier c : Modifier.values())  
  System.out.println(c);

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

### valueOf

public static [Modifier](http://docs.google.com/javax/lang/model/element/Modifier.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

### toString

public [String](http://docs.google.com/java/lang/String.html) **toString**()

Returns this modifier's name in lowercase.

**Overrides:**[toString](http://docs.google.com/java/lang/Enum.html#toString()) in class [Enum](http://docs.google.com/java/lang/Enum.html)<[Modifier](http://docs.google.com/javax/lang/model/element/Modifier.html)> **Returns:**the name of this enum constant

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Modifier.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/ExecutableElement.html)   [**NEXT CLASS**](http://docs.google.com/javax/lang/model/element/Name.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/element/Modifier.html)    [**NO FRAMES**](http://docs.google.com/Modifier.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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[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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