| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NestingKind.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/Name.html)   [**NEXT CLASS**](http://docs.google.com/javax/lang/model/element/PackageElement.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/element/NestingKind.html)    [**NO FRAMES**](http://docs.google.com/NestingKind.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [ENUM CONSTANTS](#3znysh7) | FIELD | [METHOD](#2et92p0) | DETAIL: [ENUM CONSTANTS](#1t3h5sf) | FIELD | [METHOD](#26in1rg) |

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

Enum NestingKind

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

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

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

The *nesting kind* of a type element. Type elements come in four varieties: top-level, member, local, and anonymous. *Nesting kind* is a non-standard term used here to denote this classification.

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

**Example:** The classes below are annotated with their nesting kind.

import java.lang.annotation.\*;  
 import static java.lang.annotation.RetentionPolicy.\*;  
 import javax.lang.model.element.\*;  
 import static javax.lang.model.element.NestingKind.\*;  
   
 @Nesting(TOP\_LEVEL)  
 public class NestingExamples {  
 @Nesting(MEMBER)  
 static class MemberClass1{}  
   
 @Nesting(MEMBER)  
 class MemberClass2{}  
   
 public static void main(String... argv) {  
 @Nesting(LOCAL)  
 class LocalClass{};  
   
 Class<?>[] classes = {  
 NestingExamples.class,  
 MemberClass1.class,  
 MemberClass2.class,  
 LocalClass.class  
 };   
   
 for(Class<?> clazz : classes) {  
 System.out.format("%s is %s%n",  
 clazz.getName(),  
 clazz.getAnnotation(Nesting.class).value());  
 }  
 }  
 }  
   
 @Retention(RUNTIME)  
 @interface Nesting {  
 NestingKind value();  
 }

**Since:** 1.6

| **Enum Constant Summary** | |
| --- | --- |
| [**ANONYMOUS**](http://docs.google.com/javax/lang/model/element/NestingKind.html#ANONYMOUS) |
| [**LOCAL**](http://docs.google.com/javax/lang/model/element/NestingKind.html#LOCAL) |
| [**MEMBER**](http://docs.google.com/javax/lang/model/element/NestingKind.html#MEMBER) |
| [**TOP\_LEVEL**](http://docs.google.com/javax/lang/model/element/NestingKind.html#TOP_LEVEL) |

| **Method Summary** | |
| --- | --- |
| boolean | [**isNested**](http://docs.google.com/javax/lang/model/element/NestingKind.html#isNested())()            Does this constant correspond to a nested type element? A *nested* type element is any that is not top-level. |
| static [NestingKind](http://docs.google.com/javax/lang/model/element/NestingKind.html) | [**valueOf**](http://docs.google.com/javax/lang/model/element/NestingKind.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 [NestingKind](http://docs.google.com/javax/lang/model/element/NestingKind.html)[] | [**values**](http://docs.google.com/javax/lang/model/element/NestingKind.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** |
| --- |

### TOP\_LEVEL

public static final [NestingKind](http://docs.google.com/javax/lang/model/element/NestingKind.html) **TOP\_LEVEL**

### MEMBER

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

### LOCAL

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

### ANONYMOUS

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

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

### values

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

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

### valueOf

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

### isNested

public boolean **isNested**()

Does this constant correspond to a nested type element? A *nested* type element is any that is not top-level. An *inner* type element is any nested type element that is not [static](http://docs.google.com/javax/lang/model/element/Modifier.html#STATIC).

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NestingKind.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*** |
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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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