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

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

Interface ExecutableElement

**All Superinterfaces:** [Element](http://docs.google.com/javax/lang/model/element/Element.html)

public interface **ExecutableElement**extends [Element](http://docs.google.com/javax/lang/model/element/Element.html)

Represents a method, constructor, or initializer (static or instance) of a class or interface, including annotation type elements.

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

| **Method Summary** | |
| --- | --- |
| [AnnotationValue](http://docs.google.com/javax/lang/model/element/AnnotationValue.html) | [**getDefaultValue**](http://docs.google.com/javax/lang/model/element/ExecutableElement.html#getDefaultValue())()            Returns the default value if this executable is an annotation type element. |
| [List](http://docs.google.com/java/util/List.html)<? extends [VariableElement](http://docs.google.com/javax/lang/model/element/VariableElement.html)> | [**getParameters**](http://docs.google.com/javax/lang/model/element/ExecutableElement.html#getParameters())()            Returns the formal parameters of this executable. |
| [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) | [**getReturnType**](http://docs.google.com/javax/lang/model/element/ExecutableElement.html#getReturnType())()            Returns the return type of this executable. |
| [List](http://docs.google.com/java/util/List.html)<? extends [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)> | [**getThrownTypes**](http://docs.google.com/javax/lang/model/element/ExecutableElement.html#getThrownTypes())()            Returns the exceptions and other throwables listed in this method or constructor's throws clause in declaration order. |
| [List](http://docs.google.com/java/util/List.html)<? extends [TypeParameterElement](http://docs.google.com/javax/lang/model/element/TypeParameterElement.html)> | [**getTypeParameters**](http://docs.google.com/javax/lang/model/element/ExecutableElement.html#getTypeParameters())()            Returns the formal type parameters of this executable in declaration order. |
| boolean | [**isVarArgs**](http://docs.google.com/javax/lang/model/element/ExecutableElement.html#isVarArgs())()            Returns true if this method or constructor accepts a variable number of arguments and returns false otherwise. |

| **Methods inherited from interface javax.lang.model.element.**[**Element**](http://docs.google.com/javax/lang/model/element/Element.html) |
| --- |
| [accept](http://docs.google.com/javax/lang/model/element/Element.html#accept(javax.lang.model.element.ElementVisitor,%20P)), [asType](http://docs.google.com/javax/lang/model/element/Element.html#asType()), [equals](http://docs.google.com/javax/lang/model/element/Element.html#equals(java.lang.Object)), [getAnnotation](http://docs.google.com/javax/lang/model/element/Element.html#getAnnotation(java.lang.Class)), [getAnnotationMirrors](http://docs.google.com/javax/lang/model/element/Element.html#getAnnotationMirrors()), [getEnclosedElements](http://docs.google.com/javax/lang/model/element/Element.html#getEnclosedElements()), [getEnclosingElement](http://docs.google.com/javax/lang/model/element/Element.html#getEnclosingElement()), [getKind](http://docs.google.com/javax/lang/model/element/Element.html#getKind()), [getModifiers](http://docs.google.com/javax/lang/model/element/Element.html#getModifiers()), [getSimpleName](http://docs.google.com/javax/lang/model/element/Element.html#getSimpleName()), [hashCode](http://docs.google.com/javax/lang/model/element/Element.html#hashCode()) |

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

### getTypeParameters

[List](http://docs.google.com/java/util/List.html)<? extends [TypeParameterElement](http://docs.google.com/javax/lang/model/element/TypeParameterElement.html)> **getTypeParameters**()

Returns the formal type parameters of this executable in declaration order.

**Returns:**the formal type parameters, or an empty list if there are none

### getReturnType

[TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) **getReturnType**()

Returns the return type of this executable. Returns a [NoType](http://docs.google.com/javax/lang/model/type/NoType.html) with kind [VOID](http://docs.google.com/javax/lang/model/type/TypeKind.html#VOID) if this executable is not a method, or is a method that does not return a value.

**Returns:**the return type of this executable

### getParameters

[List](http://docs.google.com/java/util/List.html)<? extends [VariableElement](http://docs.google.com/javax/lang/model/element/VariableElement.html)> **getParameters**()

Returns the formal parameters of this executable. They are returned in declaration order.

**Returns:**the formal parameters, or an empty list if there are none

### isVarArgs

boolean **isVarArgs**()

Returns true if this method or constructor accepts a variable number of arguments and returns false otherwise.

**Returns:**true if this method or constructor accepts a variable number of arguments and false otherwise

### getThrownTypes

[List](http://docs.google.com/java/util/List.html)<? extends [TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html)> **getThrownTypes**()

Returns the exceptions and other throwables listed in this method or constructor's throws clause in declaration order.

**Returns:**the exceptions and other throwables listed in the throws clause, or an empty list if there are none

### getDefaultValue

[AnnotationValue](http://docs.google.com/javax/lang/model/element/AnnotationValue.html) **getDefaultValue**()

Returns the default value if this executable is an annotation type element. Returns null if this method is not an annotation type element, or if it is an annotation type element with no default value.

**Returns:**the default value, or null if none

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

[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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