| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SimpleTypeVisitor6.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/util/SimpleElementVisitor6.html)   [**NEXT CLASS**](http://docs.google.com/javax/lang/model/util/TypeKindVisitor6.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/util/SimpleTypeVisitor6.html)    [**NO FRAMES**](http://docs.google.com/SimpleTypeVisitor6.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#17dp8vu) | [METHOD](#35nkun2) |

## **javax.lang.model.util**

Class SimpleTypeVisitor6<R,P>

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.lang.model.util.AbstractTypeVisitor6](http://docs.google.com/javax/lang/model/util/AbstractTypeVisitor6.html)<R,P>  
 **javax.lang.model.util.SimpleTypeVisitor6<R,P>**

**Type Parameters:**R - the return type of this visitor's methods. Use [Void](http://docs.google.com/java/lang/Void.html) for visitors that do not need to return results.P - the type of the additional parameter to this visitor's methods. Use Void for visitors that do not need an additional parameter. **All Implemented Interfaces:** [TypeVisitor](http://docs.google.com/javax/lang/model/type/TypeVisitor.html)<R,P> **Direct Known Subclasses:** [TypeKindVisitor6](http://docs.google.com/javax/lang/model/util/TypeKindVisitor6.html)

[@SupportedSourceVersion](http://docs.google.com/javax/annotation/processing/SupportedSourceVersion.html)([value](http://docs.google.com/javax/annotation/processing/SupportedSourceVersion.html#value())=[RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6))  
public class **SimpleTypeVisitor6<R,P>**extends [AbstractTypeVisitor6](http://docs.google.com/javax/lang/model/util/AbstractTypeVisitor6.html)<R,P>

A simple visitor of types with default behavior appropriate for the [RELEASE\_6](http://docs.google.com/javax/lang/model/SourceVersion.html#RELEASE_6) source version. Visit methods corresponding to RELEASE\_6 language constructs call [defaultAction(javax.lang.model.type.TypeMirror, P)](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#defaultAction(javax.lang.model.type.TypeMirror,%20P)), passing their arguments to defaultAction's corresponding parameters.

Methods in this class may be overridden subject to their general contract. Note that annotating methods in concrete subclasses with [@Override](http://docs.google.com/java/lang/Override.html) will help ensure that methods are overridden as intended.

**WARNING:** The TypeVisitor interface implemented by this class may have methods added to it in the future to accommodate new, currently unknown, language structures added to future versions of the Java™ programming language. Therefore, methods whose names begin with "visit" may be added to this class in the future; to avoid incompatibilities, classes which extend this class should not declare any instance methods with names beginning with "visit".

When such a new visit method is added, the default implementation in this class will be to call the [visitUnknown](http://docs.google.com/javax/lang/model/util/AbstractTypeVisitor6.html#visitUnknown(javax.lang.model.type.TypeMirror,%20P)) method. A new simple type visitor class will also be introduced to correspond to the new language level; this visitor will have different default behavior for the visit method in question. When the new visitor is introduced, all or portions of this visitor may be deprecated.

**Since:** 1.6

| **Field Summary** | |
| --- | --- |
| protected  [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**DEFAULT\_VALUE**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#DEFAULT_VALUE)            Default value to be returned; [defaultAction](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#defaultAction(javax.lang.model.type.TypeMirror,%20P)) returns this value unless the method is overridden. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**SimpleTypeVisitor6**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#SimpleTypeVisitor6())()            Constructor for concrete subclasses; uses null for the default value. |
| protected | [**SimpleTypeVisitor6**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#SimpleTypeVisitor6(R))([R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) defaultValue)            Constructor for concrete subclasses; uses the argument for the default value. |

| **Method Summary** | |
| --- | --- |
| protected  [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**defaultAction**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#defaultAction(javax.lang.model.type.TypeMirror,%20P))([TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) e, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            The default action for visit methods. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**visitArray**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#visitArray(javax.lang.model.type.ArrayType,%20P))([ArrayType](http://docs.google.com/javax/lang/model/type/ArrayType.html) t, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            Visits an array type. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**visitDeclared**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#visitDeclared(javax.lang.model.type.DeclaredType,%20P))([DeclaredType](http://docs.google.com/javax/lang/model/type/DeclaredType.html) t, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            Visits a declared type. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**visitError**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#visitError(javax.lang.model.type.ErrorType,%20P))([ErrorType](http://docs.google.com/javax/lang/model/type/ErrorType.html) t, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            Visits an error type. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**visitExecutable**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#visitExecutable(javax.lang.model.type.ExecutableType,%20P))([ExecutableType](http://docs.google.com/javax/lang/model/type/ExecutableType.html) t, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            Visits an executable type. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**visitNoType**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#visitNoType(javax.lang.model.type.NoType,%20P))([NoType](http://docs.google.com/javax/lang/model/type/NoType.html) t, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            Visits a [NoType](http://docs.google.com/javax/lang/model/type/NoType.html) instance. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**visitNull**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#visitNull(javax.lang.model.type.NullType,%20P))([NullType](http://docs.google.com/javax/lang/model/type/NullType.html) t, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            Visits the null type. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**visitPrimitive**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#visitPrimitive(javax.lang.model.type.PrimitiveType,%20P))([PrimitiveType](http://docs.google.com/javax/lang/model/type/PrimitiveType.html) t, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            Visits a primitive type. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**visitTypeVariable**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#visitTypeVariable(javax.lang.model.type.TypeVariable,%20P))([TypeVariable](http://docs.google.com/javax/lang/model/type/TypeVariable.html) t, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            Visits a type variable. |
| [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) | [**visitWildcard**](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#visitWildcard(javax.lang.model.type.WildcardType,%20P))([WildcardType](http://docs.google.com/javax/lang/model/type/WildcardType.html) t, [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)            Visits a wildcard type. |

| **Methods inherited from class javax.lang.model.util.**[**AbstractTypeVisitor6**](http://docs.google.com/javax/lang/model/util/AbstractTypeVisitor6.html) |
| --- |
| [visit](http://docs.google.com/javax/lang/model/util/AbstractTypeVisitor6.html#visit(javax.lang.model.type.TypeMirror)), [visit](http://docs.google.com/javax/lang/model/util/AbstractTypeVisitor6.html#visit(javax.lang.model.type.TypeMirror,%20P)), [visitUnknown](http://docs.google.com/javax/lang/model/util/AbstractTypeVisitor6.html#visitUnknown(javax.lang.model.type.TypeMirror,%20P)) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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)) |

| **Field Detail** |
| --- |

### DEFAULT\_VALUE

protected final [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **DEFAULT\_VALUE**

Default value to be returned; [defaultAction](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#defaultAction(javax.lang.model.type.TypeMirror,%20P)) returns this value unless the method is overridden.

| **Constructor Detail** |
| --- |

### SimpleTypeVisitor6

protected **SimpleTypeVisitor6**()

Constructor for concrete subclasses; uses null for the default value.

### SimpleTypeVisitor6

protected **SimpleTypeVisitor6**([R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) defaultValue)

Constructor for concrete subclasses; uses the argument for the default value.

**Parameters:**defaultValue - the value to assign to [DEFAULT\_VALUE](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#DEFAULT_VALUE)

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

### defaultAction

protected [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **defaultAction**([TypeMirror](http://docs.google.com/javax/lang/model/type/TypeMirror.html) e,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

The default action for visit methods. The implementation in this class just returns [DEFAULT\_VALUE](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html#DEFAULT_VALUE); subclasses will commonly override this method.

### visitPrimitive

public [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **visitPrimitive**([PrimitiveType](http://docs.google.com/javax/lang/model/type/PrimitiveType.html) t,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

Visits a primitive type. This implementation calls defaultAction.

**Parameters:**t - the type to visitp - a visitor-specified parameter **Returns:**the result of defaultAction

### visitNull

public [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **visitNull**([NullType](http://docs.google.com/javax/lang/model/type/NullType.html) t,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

Visits the null type. This implementation calls defaultAction.

**Parameters:**t - the type to visitp - a visitor-specified parameter **Returns:**the result of defaultAction

### visitArray

public [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **visitArray**([ArrayType](http://docs.google.com/javax/lang/model/type/ArrayType.html) t,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

Visits an array type. This implementation calls defaultAction.

**Parameters:**t - the type to visitp - a visitor-specified parameter **Returns:**the result of defaultAction

### visitDeclared

public [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **visitDeclared**([DeclaredType](http://docs.google.com/javax/lang/model/type/DeclaredType.html) t,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

Visits a declared type. This implementation calls defaultAction.

**Parameters:**t - the type to visitp - a visitor-specified parameter **Returns:**the result of defaultAction

### visitError

public [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **visitError**([ErrorType](http://docs.google.com/javax/lang/model/type/ErrorType.html) t,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

Visits an error type. This implementation calls defaultAction.

**Parameters:**t - the type to visitp - a visitor-specified parameter **Returns:**the result of defaultAction

### visitTypeVariable

public [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **visitTypeVariable**([TypeVariable](http://docs.google.com/javax/lang/model/type/TypeVariable.html) t,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

Visits a type variable. This implementation calls defaultAction.

**Parameters:**t - the type to visitp - a visitor-specified parameter **Returns:**the result of defaultAction

### visitWildcard

public [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **visitWildcard**([WildcardType](http://docs.google.com/javax/lang/model/type/WildcardType.html) t,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

Visits a wildcard type. This implementation calls defaultAction.

**Parameters:**t - the type to visitp - a visitor-specified parameter **Returns:**the result of defaultAction

### visitExecutable

public [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **visitExecutable**([ExecutableType](http://docs.google.com/javax/lang/model/type/ExecutableType.html) t,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

Visits an executable type. This implementation calls defaultAction.

**Parameters:**t - the type to visitp - a visitor-specified parameter **Returns:**the result of defaultAction

### visitNoType

public [R](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) **visitNoType**([NoType](http://docs.google.com/javax/lang/model/type/NoType.html) t,  
 [P](http://docs.google.com/javax/lang/model/util/SimpleTypeVisitor6.html) p)

Visits a [NoType](http://docs.google.com/javax/lang/model/type/NoType.html) instance. This implementation calls defaultAction.

**Parameters:**t - the type to visitp - a visitor-specified parameter **Returns:**the result of defaultAction

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SimpleTypeVisitor6.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/util/SimpleElementVisitor6.html)   [**NEXT CLASS**](http://docs.google.com/javax/lang/model/util/TypeKindVisitor6.html) | [**FRAMES**](http://docs.google.com/index.html?javax/lang/model/util/SimpleTypeVisitor6.html)    [**NO FRAMES**](http://docs.google.com/SimpleTypeVisitor6.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#17dp8vu) | [METHOD](#35nkun2) |

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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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