| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Statement.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/java/beans/SimpleBeanInfo.html)   [**NEXT CLASS**](http://docs.google.com/java/beans/VetoableChangeListener.html) | [**FRAMES**](http://docs.google.com/index.html?java/beans/Statement.html)    [**NO FRAMES**](http://docs.google.com/Statement.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.beans**

Class Statement

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.beans.Statement**

**Direct Known Subclasses:** [Expression](http://docs.google.com/java/beans/Expression.html)

public class **Statement**extends [Object](http://docs.google.com/java/lang/Object.html)

A Statement object represents a primitive statement in which a single method is applied to a target and a set of arguments - as in "a.setFoo(b)". Note that where this example uses names to denote the target and its argument, a statement object does not require a name space and is constructed with the values themselves. The statement object associates the named method with its environment as a simple set of values: the target and an array of argument values.

**Since:** 1.4

| **Constructor Summary** | |
| --- | --- |
| [**Statement**](http://docs.google.com/java/beans/Statement.html#Statement(java.lang.Object,%20java.lang.String,%20java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html) target, [String](http://docs.google.com/java/lang/String.html) methodName, [Object](http://docs.google.com/java/lang/Object.html)[] arguments)            Creates a new Statement object with a target, methodName and arguments as per the parameters. |

| **Method Summary** | |
| --- | --- |
| void | [**execute**](http://docs.google.com/java/beans/Statement.html#execute())()            The execute method finds a method whose name is the same as the methodName property, and invokes the method on the target. |
| [Object](http://docs.google.com/java/lang/Object.html)[] | [**getArguments**](http://docs.google.com/java/beans/Statement.html#getArguments())()            Returns the arguments of this statement. |
| [String](http://docs.google.com/java/lang/String.html) | [**getMethodName**](http://docs.google.com/java/beans/Statement.html#getMethodName())()            Returns the name of the method. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getTarget**](http://docs.google.com/java/beans/Statement.html#getTarget())()            Returns the target of this statement. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/beans/Statement.html#toString())()            Prints the value of this statement using a Java-style syntax. |

| **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()), [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)) |

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

### Statement

public **Statement**([Object](http://docs.google.com/java/lang/Object.html) target,  
 [String](http://docs.google.com/java/lang/String.html) methodName,  
 [Object](http://docs.google.com/java/lang/Object.html)[] arguments)

Creates a new Statement object with a target, methodName and arguments as per the parameters.

**Parameters:**target - The target of this statement.methodName - The methodName of this statement.arguments - The arguments of this statement. If null then an empty array will be used.

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

### getTarget

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

Returns the target of this statement.

**Returns:**The target of this statement.

### getMethodName

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

Returns the name of the method.

**Returns:**The name of the method.

### getArguments

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

Returns the arguments of this statement.

**Returns:**the arguments of this statement.

### execute

public void **execute**()  
 throws [Exception](http://docs.google.com/java/lang/Exception.html)

The execute method finds a method whose name is the same as the methodName property, and invokes the method on the target. When the target's class defines many methods with the given name the implementation should choose the most specific method using the algorithm specified in the Java Language Specification (15.11). The dynamic class of the target and arguments are used in place of the compile-time type information and, like the java.lang.reflect.Method class itself, conversion between primitive values and their associated wrapper classes is handled internally.

The following method types are handled as special cases:

* Static methods may be called by using a class object as the target.
* The reserved method name "new" may be used to call a class's constructor as if all classes defined static "new" methods. Constructor invocations are typically considered Expressions rather than Statements as they return a value.
* The method names "get" and "set" defined in the java.util.List interface may also be applied to array instances, mapping to the static methods of the same name in the Array class.

**Throws:** [Exception](http://docs.google.com/java/lang/Exception.html)

### toString

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

Prints the value of this statement using a Java-style syntax.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of the object.

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