| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AssertionError.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/lang/ArrayStoreException.html)   [**NEXT CLASS**](http://docs.google.com/java/lang/Boolean.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/AssertionError.html)    [**NO FRAMES**](http://docs.google.com/AssertionError.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | METHOD |

## **java.lang**

Class AssertionError

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.lang.Throwable](http://docs.google.com/java/lang/Throwable.html)  
 [java.lang.Error](http://docs.google.com/java/lang/Error.html)  
 **java.lang.AssertionError**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

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

Thrown to indicate that an assertion has failed.

The seven one-argument public constructors provided by this class ensure that the assertion error returned by the invocation:

new AssertionError(*expression*)

has as its detail message the *string conversion* of *expression* (as defined in  [*The Java Language Specification, Second Edition*](http://java.sun.com/docs/books/jls/second_edition/html/j.title.doc.html),  [Section 15.18.1.1](http://java.sun.com/docs/books/jls/second_edition/html/expressions.doc.html#40220)), regardless of the type of *expression*.

**Since:** 1.4 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.lang.AssertionError)

| **Constructor Summary** | |
| --- | --- |
| [**AssertionError**](http://docs.google.com/java/lang/AssertionError.html#AssertionError())()            Constructs an AssertionError with no detail message. |
| [**AssertionError**](http://docs.google.com/java/lang/AssertionError.html#AssertionError(boolean))(boolean detailMessage)            Constructs an AssertionError with its detail message derived from the specified boolean, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1. |
| [**AssertionError**](http://docs.google.com/java/lang/AssertionError.html#AssertionError(char))(char detailMessage)            Constructs an AssertionError with its detail message derived from the specified char, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1. |
| [**AssertionError**](http://docs.google.com/java/lang/AssertionError.html#AssertionError(double))(double detailMessage)            Constructs an AssertionError with its detail message derived from the specified double, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1. |
| [**AssertionError**](http://docs.google.com/java/lang/AssertionError.html#AssertionError(float))(float detailMessage)            Constructs an AssertionError with its detail message derived from the specified float, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1. |
| [**AssertionError**](http://docs.google.com/java/lang/AssertionError.html#AssertionError(int))(int detailMessage)            Constructs an AssertionError with its detail message derived from the specified int, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1. |
| [**AssertionError**](http://docs.google.com/java/lang/AssertionError.html#AssertionError(long))(long detailMessage)            Constructs an AssertionError with its detail message derived from the specified long, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1. |
| [**AssertionError**](http://docs.google.com/java/lang/AssertionError.html#AssertionError(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) detailMessage)            Constructs an AssertionError with its detail message derived from the specified object, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1. |

| **Method Summary** | |
| --- | --- |

| **Methods inherited from class java.lang.**[**Throwable**](http://docs.google.com/java/lang/Throwable.html) |
| --- |
| [fillInStackTrace](http://docs.google.com/java/lang/Throwable.html#fillInStackTrace()), [getCause](http://docs.google.com/java/lang/Throwable.html#getCause()), [getLocalizedMessage](http://docs.google.com/java/lang/Throwable.html#getLocalizedMessage()), [getMessage](http://docs.google.com/java/lang/Throwable.html#getMessage()), [getStackTrace](http://docs.google.com/java/lang/Throwable.html#getStackTrace()), [initCause](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace()), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintStream)), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintWriter)), [setStackTrace](http://docs.google.com/java/lang/Throwable.html#setStackTrace(java.lang.StackTraceElement%5B%5D)), [toString](http://docs.google.com/java/lang/Throwable.html#toString()) |

| **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** |
| --- |

### AssertionError

public **AssertionError**()

Constructs an AssertionError with no detail message.

### AssertionError

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

Constructs an AssertionError with its detail message derived from the specified object, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1.

If the specified object is an instance of Throwable, it becomes the *cause* of the newly constructed assertion error.

**Parameters:**detailMessage - value to be used in constructing detail message**See Also:**[Throwable.getCause()](http://docs.google.com/java/lang/Throwable.html#getCause())

### AssertionError

public **AssertionError**(boolean detailMessage)

Constructs an AssertionError with its detail message derived from the specified boolean, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1.

**Parameters:**detailMessage - value to be used in constructing detail message

### AssertionError

public **AssertionError**(char detailMessage)

Constructs an AssertionError with its detail message derived from the specified char, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1.

**Parameters:**detailMessage - value to be used in constructing detail message

### AssertionError

public **AssertionError**(int detailMessage)

Constructs an AssertionError with its detail message derived from the specified int, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1.

**Parameters:**detailMessage - value to be used in constructing detail message

### AssertionError

public **AssertionError**(long detailMessage)

Constructs an AssertionError with its detail message derived from the specified long, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1.

**Parameters:**detailMessage - value to be used in constructing detail message

### AssertionError

public **AssertionError**(float detailMessage)

Constructs an AssertionError with its detail message derived from the specified float, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1.

**Parameters:**detailMessage - value to be used in constructing detail message

### AssertionError

public **AssertionError**(double detailMessage)

Constructs an AssertionError with its detail message derived from the specified double, which is converted to a string as defined in *The Java Language Specification, Second Edition*, Section 15.18.1.1.

**Parameters:**detailMessage - value to be used in constructing detail message

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