| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Boolean.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/AssertionError.html)   [**NEXT CLASS**](http://docs.google.com/java/lang/Byte.html) | [**FRAMES**](http://docs.google.com/index.html?java/lang/Boolean.html)    [**NO FRAMES**](http://docs.google.com/Boolean.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#3rdcrjn) | [METHOD](#35nkun2) |

## **java.lang**

Class Boolean

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

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

public final class **Boolean**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html), [Comparable](http://docs.google.com/java/lang/Comparable.html)<[Boolean](http://docs.google.com/java/lang/Boolean.html)>

The Boolean class wraps a value of the primitive type boolean in an object. An object of type Boolean contains a single field whose type is boolean.

In addition, this class provides many methods for converting a boolean to a String and a String to a boolean, as well as other constants and methods useful when dealing with a boolean.

**Since:** JDK1.0 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.lang.Boolean)

| **Field Summary** | |
| --- | --- |
| static [Boolean](http://docs.google.com/java/lang/Boolean.html) | [**FALSE**](http://docs.google.com/java/lang/Boolean.html#FALSE)            The Boolean object corresponding to the primitive value false. |
| static [Boolean](http://docs.google.com/java/lang/Boolean.html) | [**TRUE**](http://docs.google.com/java/lang/Boolean.html#TRUE)            The Boolean object corresponding to the primitive value true. |
| static [Class](http://docs.google.com/java/lang/Class.html)<[Boolean](http://docs.google.com/java/lang/Boolean.html)> | [**TYPE**](http://docs.google.com/java/lang/Boolean.html#TYPE)            The Class object representing the primitive type boolean. |

| **Constructor Summary** | |
| --- | --- |
| [**Boolean**](http://docs.google.com/java/lang/Boolean.html#Boolean(boolean))(boolean value)            Allocates a Boolean object representing the value argument. |
| [**Boolean**](http://docs.google.com/java/lang/Boolean.html#Boolean(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)            Allocates a Boolean object representing the value true if the string argument is not null and is equal, ignoring case, to the string "true". |

| **Method Summary** | |
| --- | --- |
| boolean | [**booleanValue**](http://docs.google.com/java/lang/Boolean.html#booleanValue())()            Returns the value of this Boolean object as a boolean primitive. |
| int | [**compareTo**](http://docs.google.com/java/lang/Boolean.html#compareTo(java.lang.Boolean))([Boolean](http://docs.google.com/java/lang/Boolean.html) b)            Compares this Boolean instance with another. |
| boolean | [**equals**](http://docs.google.com/java/lang/Boolean.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Returns true if and only if the argument is not null and is a Boolean object that represents the same boolean value as this object. |
| static boolean | [**getBoolean**](http://docs.google.com/java/lang/Boolean.html#getBoolean(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Returns true if and only if the system property named by the argument exists and is equal to the string "true". |
| int | [**hashCode**](http://docs.google.com/java/lang/Boolean.html#hashCode())()            Returns a hash code for this Boolean object. |
| static boolean | [**parseBoolean**](http://docs.google.com/java/lang/Boolean.html#parseBoolean(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)            Parses the string argument as a boolean. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/lang/Boolean.html#toString())()            Returns a String object representing this Boolean's value. |
| static [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/lang/Boolean.html#toString(boolean))(boolean b)            Returns a String object representing the specified boolean. |
| static [Boolean](http://docs.google.com/java/lang/Boolean.html) | [**valueOf**](http://docs.google.com/java/lang/Boolean.html#valueOf(boolean))(boolean b)            Returns a Boolean instance representing the specified boolean value. |
| static [Boolean](http://docs.google.com/java/lang/Boolean.html) | [**valueOf**](http://docs.google.com/java/lang/Boolean.html#valueOf(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)            Returns a Boolean with a value represented by the specified string. |

| **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()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [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)) |

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

### TRUE

public static final [Boolean](http://docs.google.com/java/lang/Boolean.html) **TRUE**

The Boolean object corresponding to the primitive value true.

### FALSE

public static final [Boolean](http://docs.google.com/java/lang/Boolean.html) **FALSE**

The Boolean object corresponding to the primitive value false.

### TYPE

public static final [Class](http://docs.google.com/java/lang/Class.html)<[Boolean](http://docs.google.com/java/lang/Boolean.html)> **TYPE**

The Class object representing the primitive type boolean.

**Since:** JDK1.1

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

### Boolean

public **Boolean**(boolean value)

Allocates a Boolean object representing the value argument.

**Note: It is rarely appropriate to use this constructor. Unless a *new* instance is required, the static factory** [**valueOf(boolean)**](http://docs.google.com/java/lang/Boolean.html#valueOf(boolean)) **is generally a better choice. It is likely to yield significantly better space and time performance.**

**Parameters:**value - the value of the Boolean.

### Boolean

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

Allocates a Boolean object representing the value true if the string argument is not null and is equal, ignoring case, to the string "true". Otherwise, allocate a Boolean object representing the value false. Examples:

new Boolean("True") produces a Boolean object that represents true.

new Boolean("yes") produces a Boolean object that represents false.

**Parameters:**s - the string to be converted to a Boolean.

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

### parseBoolean

public static boolean **parseBoolean**([String](http://docs.google.com/java/lang/String.html) s)

Parses the string argument as a boolean. The boolean returned represents the value true if the string argument is not null and is equal, ignoring case, to the string "true".

Example: Boolean.parseBoolean("True") returns true.

Example: Boolean.parseBoolean("yes") returns false.

**Parameters:**s - the String containing the boolean representation to be parsed **Returns:**the boolean represented by the string argument**Since:** 1.5

### booleanValue

public boolean **booleanValue**()

Returns the value of this Boolean object as a boolean primitive.

**Returns:**the primitive boolean value of this object.

### valueOf

public static [Boolean](http://docs.google.com/java/lang/Boolean.html) **valueOf**(boolean b)

Returns a Boolean instance representing the specified boolean value. If the specified boolean value is true, this method returns Boolean.TRUE; if it is false, this method returns Boolean.FALSE. If a new Boolean instance is not required, this method should generally be used in preference to the constructor [Boolean(boolean)](http://docs.google.com/java/lang/Boolean.html#Boolean(boolean)), as this method is likely to yield significantly better space and time performance.

**Parameters:**b - a boolean value. **Returns:**a Boolean instance representing b.**Since:** 1.4

### valueOf

public static [Boolean](http://docs.google.com/java/lang/Boolean.html) **valueOf**([String](http://docs.google.com/java/lang/String.html) s)

Returns a Boolean with a value represented by the specified string. The Boolean returned represents a true value if the string argument is not null and is equal, ignoring case, to the string "true".

**Parameters:**s - a string. **Returns:**the Boolean value represented by the string.

### toString

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

Returns a String object representing the specified boolean. If the specified boolean is true, then the string "true" will be returned, otherwise the string "false" will be returned.

**Parameters:**b - the boolean to be converted **Returns:**the string representation of the specified boolean**Since:** 1.4

### toString

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

Returns a String object representing this Boolean's value. If this object represents the value true, a string equal to "true" is returned. Otherwise, a string equal to "false" is returned.

**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 this object.

### hashCode

public int **hashCode**()

Returns a hash code for this Boolean object.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the integer 1231 if this object represents true; returns the integer 1237 if this object represents false.**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### equals

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

Returns true if and only if the argument is not null and is a Boolean object that represents the same boolean value as this object.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - the object to compare with. **Returns:**true if the Boolean objects represent the same value; false otherwise.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### getBoolean

public static boolean **getBoolean**([String](http://docs.google.com/java/lang/String.html) name)

Returns true if and only if the system property named by the argument exists and is equal to the string "true". (Beginning with version 1.0.2 of the JavaTM platform, the test of this string is case insensitive.) A system property is accessible through getProperty, a method defined by the System class.

If there is no property with the specified name, or if the specified name is empty or null, then false is returned.

**Parameters:**name - the system property name. **Returns:**the boolean value of the system property.**See Also:**[System.getProperty(java.lang.String)](http://docs.google.com/java/lang/System.html#getProperty(java.lang.String)), [System.getProperty(java.lang.String, java.lang.String)](http://docs.google.com/java/lang/System.html#getProperty(java.lang.String,%20java.lang.String))

### compareTo

public int **compareTo**([Boolean](http://docs.google.com/java/lang/Boolean.html) b)

Compares this Boolean instance with another.

**Specified by:**[compareTo](http://docs.google.com/java/lang/Comparable.html#compareTo(T)) in interface [Comparable](http://docs.google.com/java/lang/Comparable.html)<[Boolean](http://docs.google.com/java/lang/Boolean.html)> **Parameters:**b - the Boolean instance to be compared **Returns:**zero if this object represents the same boolean value as the argument; a positive value if this object represents true and the argument represents false; and a negative value if this object represents false and the argument represents true **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the argument is null**Since:** 1.5 **See Also:**[Comparable](http://docs.google.com/java/lang/Comparable.html)

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