http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html

java.lang

**Class Integer**

* [java.lang.Object](http://docs.oracle.com/javase/7/docs/api/java/lang/Object.html)
  + [java.lang.Number](http://docs.oracle.com/javase/7/docs/api/java/lang/Number.html)
    - java.lang.Integer
* **All Implemented Interfaces:**

[Serializable](http://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html), [Comparable](http://docs.oracle.com/javase/7/docs/api/java/lang/Comparable.html)<[Integer](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html)>

public final class **Integer**

extends [Number](http://docs.oracle.com/javase/7/docs/api/java/lang/Number.html)

implements [Comparable](http://docs.oracle.com/javase/7/docs/api/java/lang/Comparable.html)<[Integer](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html)>

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

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

Implementation note: The implementations of the "bit twiddling" methods (such as [highestOneBit](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html" \l "highestOneBit(int)) and [numberOfTrailingZeros](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html" \l "numberOfTrailingZeros(int))) are based on material from Henry S. Warren, Jr.'s *Hacker's Delight*, (Addison Wesley, 2002).

**Since:**

JDK1.0

**See Also:**

[Serialized Form](http://docs.oracle.com/javase/7/docs/api/serialized-form.html#java.lang.Integer)

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| --- | --- |
| static int | [**parseInt**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html#parseInt(java.lang.String))([**String**](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html) s)  Parses the string argument as a signed decimal integer. |
| [**String**](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html) | [**toString**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html#toString())()  Returns a String object representing this Integer's value. |
| static [**String**](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html) | [**toString**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html#toString(int))(int i)  Returns a String object representing the specified integer. |
| static [**String**](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html) | [**toString**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html#toString(int, int))(int i, int radix)  Returns a string representation of the first argument in the radix specified by the second argument. |
| static [**Integer**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html) | [**valueOf**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html#valueOf(int))(int i)  Returns an Integer instance representing the specified int value. |
| static [**Integer**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html) | [**valueOf**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html#valueOf(java.lang.String))([**String**](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html) s)  Returns an Integer object holding the value of the specified String. |
| static [**Integer**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html) | [**valueOf**](http://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html#valueOf(java.lang.String, int))([**String**](http://docs.oracle.com/javase/7/docs/api/java/lang/String.html) s, int radix)  Returns an Integer object holding the value extracted from the specified String when parsed with the radix given by the second argument. |