

# Java API Reference

## java.lang.Math

- *int, float, double, long*     `abs (number)`
- *double*     `ceil (number)`
- *double*     `cos (number)`
- *double*     `floor (number)`
- *double*     `log (number)`
- *double*     `log10 (number)`
- *int, float, double, long*     `max (n1, n2)`
- *int, float, double, long*     `min (n1, n2)`
- *double {0.0, 1.0}*     `random ()`
- *int, long*     `round (number)`
- *double*     `sin (number)`
- *double*     `tan (number)`
- *double*     `toDegrees (number)`
- *double*     `toRadians (number)`

## java.lang.Integer

- ◇ `Integer (str)`
- *int*     `decode (str)`
- *int*     `parseInt (str)`
- *string*     `toString (integer)`

## java.lang.System

- `PrintStream`     `err`
- `InputStream`     `in`
- `PrintStream`     `out`
- *void*     `arraycopy (src, s_pos, end, e_pos, len)`
- *void*     `exit (code)`

## java.lang.Comparable<T>

- *int*     `compareTo(obj)`

## Format Strings

<code>%[argument_index\$][flags][width]conversion</code>	-	left justified	<i>.num</i>	<i>precision</i>	<i>c</i>	character	<i>e</i>	sci. notation
	+	inc. sign			<i>d</i>	decimal	<i>x</i>	hex
	0	0 padded	<i>n</i>	<i>line separator</i>	<i>f</i>	floating point	<i>s</i>	string

## java.lang.String

- *char*     `charAt (index)`
- *int*     `compareTo (str)`
- *bool*     `equals (str)`
- *bool*     `endsWith (str)`
- *string*     `format (format, args...)`
- *int*     `indexOf (str)`
- *int*     `length ()`
- *bool*     `matches(regex)`
- *string*     `replaceAll (regex, replace)`
- *string[]*     `split (delimiter)`
- *string*     `substring (int start[, int end])`
- *string*     `toUpperCase ()`
- *string*     `toLowerCase ()`
- *string*     `trim ()`

## java.util.Vector<V>

- *void*     `add (obj)`
- *void*     `clear()`
- *object*     `clone()`
- *bool*     `contains(obj)`
- *object*     `get(index)`
- *int*     `indexOf (obj)`
- *bool*     `isEmpty()`
- *bool*     `remove(index)`
- *bool*     `remove(obj)`
- *int*     `size()`
- *object[]*     `toArray()`

## java.util.Hashtable<K,V>

- *void*     `clear()`
- *object*     `clone()`
- *bool*     `containsKey (obj)`
- *bool*     `containsValue (obj)`
- *object*     `get (key)`
- *bool*     `isEmpty()`
- *object*     `put (key, value)`
- *object*     `remove(key)`
- *int*     `size()`

## java.util.Scanner

- ◇ `Scanner(String)`
- ◇ `Scanner(InputStream)`
- *string*     `next ()`
- *string*     `next (pattern)`
- *double*     `nextDouble ()`
- *float*     `nextFloat ()`
- *int*     `nextInt ()`
- *string*     `nextLine ()`
- *long*     `nextLong ()`
- *short*     `nextShort ()`

## java.io.PrintStream

- *void*     `format (format, args...)`
- *void*     `print(obj)`
- *void*     `println(obj)`
- *void*     `printf (format, args...)`

## java.util.Arrays

- *int*     `binarySearch(arr, value)`
- *bool*     `equals(arr1, arr2)`
- *void*     `sort(arr)`

◇ = constructor     ● = static method     ○ = non-static method     ■ = static property