**Java String Methods**

The String class has a set of built-in methods that you can use on strings.

<https://www.w3schools.com/java/java_ref_string.asp>

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| **Method** | **Description** | **Return Type** |
| [charAt()](https://www.w3schools.com/java/ref_string_charat.asp) | Returns the character at the specified index (position) | char |
| [codePointAt()](https://www.w3schools.com/java/ref_string_codepointat.asp) | Returns the Unicode of the character at the specified index | int |
| [codePointBefore()](https://www.w3schools.com/java/ref_string_codepointbefore.asp) | Returns the Unicode of the character before the specified index | int |
| [codePointCount()](https://www.w3schools.com/java/ref_string_codepointcount.asp) | Returns the number of Unicode values found in a string. | int |
| [compareTo()](https://www.w3schools.com/java/ref_string_compareto.asp) | Compares two strings lexicographically | int |
| [compareToIgnoreCase()](https://www.w3schools.com/java/ref_string_comparetoignorecase.asp) | Compares two strings lexicographically, ignoring case differences | int |
| [concat()](https://www.w3schools.com/java/ref_string_concat.asp) | Appends a string to the end of another string | String |
| [contains()](https://www.w3schools.com/java/ref_string_contains.asp) | Checks whether a string contains a sequence of characters | boolean |
| [contentEquals()](https://www.w3schools.com/java/ref_string_contentequals.asp) | Checks whether a string contains the exact same sequence of characters of the specified CharSequence or StringBuffer | boolean |
| [copyValueOf()](https://www.w3schools.com/java/ref_string_copyvalueof.asp) | Returns a String that represents the characters of the character array | String |
| [endsWith()](https://www.w3schools.com/java/ref_string_endswith.asp) | Checks whether a string ends with the specified character(s) | boolean |
| [equals()](https://www.w3schools.com/java/ref_string_equals.asp) | Compares two strings. Returns true if the strings are equal, and false if not | boolean |
| [equalsIgnoreCase()](https://www.w3schools.com/java/ref_string_equalsignorecase.asp) | Compares two strings, ignoring case considerations | boolean |
| [format()](https://www.w3schools.com/java/ref_string_format.asp) | Returns a formatted string using the specified locale, format string, and arguments | String |
| [getBytes()](https://www.w3schools.com/java/ref_string_getbytes.asp) | Converts a string into an array of bytes | byte[] |
| [getChars()](https://www.w3schools.com/java/ref_string_getchars.asp) | Copies characters from a string to an array of chars | void |
| [hashCode()](https://www.w3schools.com/java/ref_string_hashcode.asp) | Returns the hash code of a string | int |
| [indexOf()](https://www.w3schools.com/java/ref_string_indexof.asp) | Returns the position of the first found occurrence of specified characters in a string | int |
| intern() | Returns the canonical representation for the string object | String |
| [isEmpty()](https://www.w3schools.com/java/ref_string_isempty.asp) | Checks whether a string is empty or not | boolean |
| [join()](https://www.w3schools.com/java/ref_string_join.asp) | Joins one or more strings with a specified separator | String |
| [lastIndexOf()](https://www.w3schools.com/java/ref_string_lastindexof.asp) | Returns the position of the last found occurrence of specified characters in a string | int |
| [length()](https://www.w3schools.com/java/ref_string_length.asp) | Returns the length of a specified string | int |
| [matches()](https://www.w3schools.com/java/ref_string_matches.asp) | Searches a string for a match against a regular expression, and returns the matches | boolean |
| [offsetByCodePoints()](https://www.w3schools.com/java/ref_string_offsetbycodepoints.asp) | Returns the index within this String that is offset from the given index by codePointOffset code points | int |
| [regionMatches()](https://www.w3schools.com/java/ref_string_regionmatches.asp) | Tests if two string regions are equal | boolean |
| [replace()](https://www.w3schools.com/java/ref_string_replace.asp) | Searches a string for a specified value, and returns a new string where the specified values are replaced | String |
| [replaceAll()](https://www.w3schools.com/java/ref_string_replaceall.asp) | Replaces each substring of this string that matches the given regular expression with the given replacement | String |
| [replaceFirst()](https://www.w3schools.com/java/ref_string_replacefirst.asp) | Replaces the first occurrence of a substring that matches the given regular expression with the given replacement | String |
| [split()](https://www.w3schools.com/java/ref_string_split.asp) | Splits a string into an array of substrings | String[] |
| [startsWith()](https://www.w3schools.com/java/ref_string_startswith.asp) | Checks whether a string starts with specified characters | boolean |
| [subSequence()](https://www.w3schools.com/java/ref_string_subsequence.asp) | Returns a new character sequence that is a subsequence of this sequence | CharSequence |
| [substring()](https://www.w3schools.com/java/ref_string_substring.asp) | Returns a new string which is the substring of a specified string | String |
| [toCharArray()](https://www.w3schools.com/java/ref_string_tochararray.asp) | Converts this string to a new character array | char[] |
| [toLowerCase()](https://www.w3schools.com/java/ref_string_tolowercase.asp) | Converts a string to lower case letters | String |
| [toString()](https://www.w3schools.com/java/ref_string_tostring.asp) | Returns the value of a String object | String |
| [toUpperCase()](https://www.w3schools.com/java/ref_string_touppercase.asp) | Converts a string to upper case letters | String |
| [trim()](https://www.w3schools.com/java/ref_string_trim.asp) | Removes whitespace from both ends of a string | String |
| [valueOf()](https://www.w3schools.com/java/ref_string_valueof.asp) | Returns the string representation of the specified value | String |