|  |  |
| --- | --- |
| char | [**charAt**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#charAt-int-)(int index)  Returns the char value at the specified index. |
| int | [**codePointAt**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#codePointAt-int-)(int index) (ascii value)  Returns the character (Unicode code point) at the specified index. |
| int | [**compareTo**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#compareTo-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) anotherString)  Compares two strings lexicographically. |
| int | [**compareToIgnoreCase**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#compareToIgnoreCase-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str)  Compares two strings lexicographically, ignoring case differences. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**concat**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#concat-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str)  Concatenates the specified string to the end of this string. |
| boolean | [**contains**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#contains-java.lang.CharSequence-)([**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) s)  Returns true if and only if this string contains the specified sequence of char values. |
| boolean | [**contentEquals**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#contentEquals-java.lang.CharSequence-)([**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) cs)  Compares this string to the specified CharSequence. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**copyValueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#copyValueOf-char:A-)(char[] data)  Equivalent to [**valueOf(char[])**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-char:A-). |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**copyValueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#copyValueOf-char:A-int-int-)(char[] data, int offset, int count)  Equivalent to [**valueOf(char[], int, int)**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-char:A-int-int-). |
| boolean | [**endsWith**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#endsWith-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) suffix)  Tests if this string ends with the specified suffix. |
| boolean | [**equals**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#equals-java.lang.Object-)([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) anObject)  Compares this string to the specified object. |
| boolean | [**equalsIgnoreCase**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#equalsIgnoreCase-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) anotherString)  Compares this String to another String, ignoring case considerations. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**format**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#format-java.util.Locale-java.lang.String-java.lang.Object...-)([**Locale**](https://docs.oracle.com/javase/8/docs/api/java/util/Locale.html) l, [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) format, [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)... args)  Returns a formatted string using the specified locale, format string, and arguments. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**format**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#format-java.lang.String-java.lang.Object...-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) format, [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)... args)  Returns a formatted string using the specified format string and arguments. |
| byte[] | [**getBytes**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#getBytes--)()  Encodes this String into a sequence of bytes using the platform's default charset, storing the result into a new byte array. |
| byte[] | [**getBytes**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#getBytes-java.nio.charset.Charset-)([**Charset**](https://docs.oracle.com/javase/8/docs/api/java/nio/charset/Charset.html) charset)  Encodes this String into a sequence of bytes using the given [**charset**](https://docs.oracle.com/javase/8/docs/api/java/nio/charset/Charset.html), storing the result into a new byte array. |
| void | [**getBytes**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#getBytes-int-int-byte:A-int-)(int srcBegin, int srcEnd, byte[] dst, int dstBegin)  **Deprecated.**  This method does not properly convert characters into bytes. As of JDK 1.1, the preferred way to do this is via the [**getBytes()**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#getBytes--) method, which uses the platform's default charset. |
| byte[] | [**getBytes**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#getBytes-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) charsetName)  Encodes this String into a sequence of bytes using the named charset, storing the result into a new byte array. |
| void | [**getChars**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#getChars-int-int-char:A-int-)(int srcBegin, int srcEnd, char[] dst, int dstBegin)  Copies characters from this string into the destination character array. |
| int | [**hashCode**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#hashCode--)()  Returns a hash code for this string. |
| int | [**indexOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#indexOf-int-)(int ch)  Returns the index within this string of the first occurrence of the specified character. |
| int | [**indexOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#indexOf-int-int-)(int ch, int fromIndex)  Returns the index within this string of the first occurrence of the specified character, starting the search at the specified index. |
| int | [**indexOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#indexOf-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str)  Returns the index within this string of the first occurrence of the specified substring. |
| int | [**indexOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#indexOf-java.lang.String-int-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str, int fromIndex)  Returns the index within this string of the first occurrence of the specified substring, starting at the specified index. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**intern**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#intern--)()  Returns a canonical representation for the string object. |
| boolean | [**isEmpty**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#isEmpty--)()  Returns true if, and only if, [**length()**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#length--) is 0. |
| int | [**lastIndexOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#lastIndexOf-int-)(int ch)  Returns the index within this string of the last occurrence of the specified character. |
| int | [**lastIndexOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#lastIndexOf-int-int-)(int ch, int fromIndex)  Returns the index within this string of the last occurrence of the specified character, searching backward starting at the specified index. |
| int | [**lastIndexOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#lastIndexOf-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str)  Returns the index within this string of the last occurrence of the specified substring. |
| int | [**lastIndexOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#lastIndexOf-java.lang.String-int-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str, int fromIndex)  Returns the index within this string of the last occurrence of the specified substring, searching backward starting at the specified index. |
| int | [**length**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#length--)()  Returns the length of this string. |
| boolean | [**matches**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#matches-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex)  Tells whether or not this string matches the given [**regular expression**](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html#sum). |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**replace**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#replace-char-char-)(char oldChar, char newChar)  Returns a string resulting from replacing all occurrences of oldChar in this string with newChar. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**replace**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#replace-java.lang.CharSequence-java.lang.CharSequence-)([**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) target, [**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) replacement)  Replaces each substring of this string that matches the literal target sequence with the specified literal replacement sequence. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**replaceAll**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#replaceAll-java.lang.String-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex, [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) replacement)  Replaces each substring of this string that matches the given [**regular expression**](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html#sum) with the given replacement. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**replaceFirst**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#replaceFirst-java.lang.String-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex, [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) replacement)  Replaces the first substring of this string that matches the given [**regular expression**](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html#sum) with the given replacement. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html)[] | [**split**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#split-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex)  Splits this string around matches of the given [**regular expression**](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html#sum). |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html)[] | [**split**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#split-java.lang.String-int-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex, int limit)  Splits this string around matches of the given [**regular expression**](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html#sum). |
| boolean | [**startsWith**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#startsWith-java.lang.String-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) prefix)  Tests if this string starts with the specified prefix. |
| boolean | [**startsWith**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#startsWith-java.lang.String-int-)([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) prefix, int toffset)  Tests if the substring of this string beginning at the specified index starts with the specified prefix. |
| [**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) | [**subSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#subSequence-int-int-)(int beginIndex, int endIndex)  Returns a character sequence that is a subsequence of this sequence. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**substring**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#substring-int-)(int beginIndex)  Returns a string that is a substring of this string. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**substring**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#substring-int-int-)(int beginIndex, int endIndex)  Returns a string that is a substring of this string. |
| char[] | [**toCharArray**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toCharArray--)()  Converts this string to a new character array. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**toLowerCase**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toLowerCase--)()  Converts all of the characters in this String to lower case using the rules of the default locale. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**toLowerCase**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toLowerCase-java.util.Locale-)([**Locale**](https://docs.oracle.com/javase/8/docs/api/java/util/Locale.html) locale)  Converts all of the characters in this String to lower case using the rules of the given Locale. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**toString**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toString--)()  This object (which is already a string!) is itself returned. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**toUpperCase**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toUpperCase--)()  Converts all of the characters in this String to upper case using the rules of the default locale. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**toUpperCase**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#toUpperCase-java.util.Locale-)([**Locale**](https://docs.oracle.com/javase/8/docs/api/java/util/Locale.html) locale)  Converts all of the characters in this String to upper case using the rules of the given Locale. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**trim**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#trim--)()  Returns a string whose value is this string, with any leading and trailing whitespace removed. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**valueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-boolean-)(boolean b)  Returns the string representation of the boolean argument. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**valueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-char-)(char c)  Returns the string representation of the char argument. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**valueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-char:A-)(char[] data)  Returns the string representation of the char array argument. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**valueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-char:A-int-int-)(char[] data, int offset, int count)  Returns the string representation of a specific subarray of the char array argument. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**valueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-double-)(double d)  Returns the string representation of the double argument. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**valueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-float-)(float f)  Returns the string representation of the float argument. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**valueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-int-)(int i)  Returns the string representation of the int argument. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**valueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-long-)(long l)  Returns the string representation of the long argument. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**valueOf**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html#valueOf-java.lang.Object-)([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) obj)  Returns the string representation of the Object argument. |