

This documentation was generated from the Python documentation available by typing `help(str)` in the Python shell. In the documentation found here the variables `s` and `t` are references to strings. The official Python 3 documentation is at <http://docs.python.org/3/>.

Method	Returns	Comments
<code>s+t</code>	str	Return a new string which is the concatenation of <code>s</code> and <code>t</code>
<code>s in t</code>	bool	Returns True if <code>s</code> is a substring of <code>t</code> and False otherwise
<code>s==t</code>	bool	Returns True if <code>s</code> and <code>t</code> refer to strings with the same sequence of characters
<code>s&gt;=t</code>	bool	Returns True if <code>s</code> is lexicographically greater than or equal to <code>t</code>
<code>s&lt;=t</code>	bool	Returns True if <code>s</code> is lexicographically less than or equal to <code>t</code>
<code>s&gt;t</code>	bool	Returns True if <code>s</code> is lexicographically greater than <code>t</code>
<code>s&lt;t</code>	bool	Returns True if <code>s</code> is lexicographically less than <code>t</code>
<code>s!=t</code>	bool	Returns True if <code>s</code> is lexicographically not equal to <code>t</code>
<code>s[i]</code>	str	Returns the character at index <code>i</code> in the string. If <code>i</code> is negative then it returns the character at index <code>len(s)-i</code>
<code>s[[i]:[j]]</code>	str	Returns the slice of characters starting at index <code>i</code> and extending to index <code>j-1</code> in the string. If <code>i</code> is omitted then the slice begins at index 0. If <code>j</code> is omitted then the slice extends to the end of the list. If <code>i</code> is negative then it returns the slice starting at index <code>len(s)+i</code> (and likewise for the slice ending at <code>j</code> )
<code>s * i</code>	str	Returns a new string with <code>s</code> repeated <code>i</code> times
<code>i * s</code>	str	Returns a new string with <code>s</code> repeated <code>i</code> times
<code>chr(i)</code>	str	Return the ASCII character equivalent of the integer <code>i</code>
<code>float(s)</code>	float	Returns the float contained in the string <code>s</code>
<code>int(s)</code>	int	Returns the integer contained in the string <code>s</code>
<code>len(s)</code>	int	Returns the number of characters in <code>s</code>
<code>ord(s)</code>	int	Returns the ASCII decimal equivalent of the single character string <code>s</code>
<code>repr(s)</code>		Returns a string representation of <code>s</code> . This adds an extra pair of quotes to <code>s</code>
<code>str(s)</code>	str	Returns a string representation of <code>s</code> . In this case you get just the string <code>s</code>
<code>s.capitalize()</code>	str	Returns a copy of the string <code>s</code> with the first character upper case

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Method	Returns	Comments
<code>s.center(width[, fillchar])</code>	str	Returns <code>s</code> centered in a string of length <code>width</code> . Padding is done using the specified fill character (default is a space)
<code>s.count(sub[, start[, end]])</code>	int	Returns the number of non-overlapping occurrences of substring <code>sub</code> in string <code>s[start:end]</code> . Optional arguments <code>start</code> and <code>end</code> are interpreted as in slice notation
<code>s.encode([encoding[, errors]])</code>	bytes	Encodes <code>s</code> using the codec registered for <code>encoding</code> . Encoding defaults to the default encoding. Errors may be given to set a different error handling scheme. Default is 'strict' meaning that encoding errors raise a <code>UnicodeEncodeError</code> . Other possible values are 'ignore', 'replace' and 'xmlcharrefreplace' as well as any other name registered with <code>codecs.register_error</code> that can handle <code>UnicodeEncodeErrors</code>
<code>s.endswith(suffix[, start[, end]])</code>	bool	Returns True if <code>s</code> ends with the specified suffix, False otherwise. With optional <code>start</code> , test <code>s</code> beginning at that position. With optional <code>end</code> , stop comparing <code>s</code> at that position. Suffix can also be a tuple of strings to try
<code>s.expandtabs([tabsize])</code>	str	Returns a copy of <code>s</code> where all tab characters are expanded using spaces. If <code>tabsize</code> is not given, a tab size of 8 characters is assumed
<code>s.find(sub[, start[, end]])</code>	int	Returns the lowest index in <code>s</code> where substring <code>sub</code> is found, such that <code>sub</code> is contained within <code>s[start:end]</code> . Optional arguments <code>start</code> and <code>end</code> are interpreted as in slice notation Return <code>-1</code> on failure
<code>s.format(*args, **kwargs)</code>	str	
<code>s.index(sub[, start[, end]])</code>	int	Like <code>s.find()</code> but raise <code>ValueError</code> when the substring is not found
<code>s.isalnum()</code>	bool	Returns True if all characters in <code>s</code> are alphanumeric and there is at least one character in <code>s</code> , False otherwise
<code>s.isalpha()</code>	bool	Returns True if all characters in <code>s</code> are alphabetic and there is at least one character in <code>s</code> , False otherwise
<code>s.isdecimal()</code>	bool	Returns True if there are only decimal characters in <code>s</code> , False otherwise
<code>s.isdigit()</code>	bool	Returns True if all characters in <code>s</code> are digits and there is at least one character in <code>s</code> , False otherwise
<code>s.isidentifier()</code>	bool	Returns True if <code>s</code> is a valid identifier according to the language definition
<code>s.islower()</code>	bool	Returns True if all cased characters in <code>s</code> are lowercase and there is at least one cased character in <code>s</code> , False otherwise

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Method	Returns	Comments
<code>s.isnumeric()</code>	bool	Returns True if there are only numeric characters in <code>s</code> , False otherwise
<code>s.isprintable()</code>	bool	Returns True if all characters in <code>s</code> are considered printable in <code>repr()</code> or <code>s</code> is empty, False otherwise
<code>s.isspace()</code>	bool	Returns True if all characters in <code>s</code> are whitespace and there is at least one character in <code>s</code> , False otherwise
<code>s.istitle()</code>	bool	Returns True if <code>s</code> is a titlecased string and there is at least one character in <code>s</code> , i.e. upper- and titlecase characters may only follow uncased characters and lowercase characters only cased ones. Return False otherwise
<code>s.isupper()</code>	bool	Returns True if all cased characters in <code>s</code> are uppercase and there is at least one cased character in <code>s</code> , False otherwise
<code>s.join(sequence)</code>	str	Returns a string which is the concatenation of the strings in the sequence. The separator between elements is <code>s</code>
<code>s.ljust(width[, fillchar])</code>	str	Returns <code>s</code> left-justified in a Unicode string of length <code>width</code> . Padding is done using the specified fill character (default is a space)
<code>s.lower()</code>	str	Returns a copy of the string <code>s</code> converted to lowercase
<code>s.lstrip([chars])</code>	str	Returns a copy of the string <code>s</code> with leading whitespace removed. If <code>chars</code> is given and not None, remove characters in <code>chars</code> instead
<code>s.partition(sep)</code>	(h,sep,t)	Searches for the separator <code>sep</code> in <code>s</code> , and returns the part before it, the separator itself, and the part after it. If the separator is not found, returns <code>s</code> and two empty strings
<code>s.replace(old, new[, count])</code>	str	Returns a copy of <code>s</code> with all occurrences of substring <code>old</code> replaced by <code>new</code> . If the optional argument <code>count</code> is given, only the first <code>count</code> occurrences are replaced
<code>s.rfind(sub[, start[, end]])</code>	int	Returns the highest index in <code>s</code> where substring <code>sub</code> is found, such that <code>sub</code> is contained within <code>s[start:end]</code> . Optional arguments <code>start</code> and <code>end</code> are interpreted as in slice notation Returns <code>-1</code> on failure
<code>s.rindex(sub[, start[, end]])</code>	int	Like <code>s.rfind()</code> but raise <code>ValueError</code> when the substring is not found
<code>s.rjust(width[, fillchar])</code>	str	Returns <code>s</code> right-justified in a string of length <code>width</code> . Padding is done using the specified fill character (default is a space)
<code>s.rpartition(sep)</code>	(t,sep,h)	Searches for the separator <code>sep</code> in <code>s</code> , starting at the end of <code>s</code> , and returns the part before it, the separator itself, and the part after it. If the separator is not found, returns two empty strings and <code>s</code>

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Method	Returns	Comments
<code>s.rsplit([sep[, maxsplit]])</code>	string list	Returns a list of the words in <code>s</code> , using <code>sep</code> as the delimiter string, starting at the end of the string and working to the front. If <code>maxsplit</code> is given, at most <code>maxsplit</code> splits are done. If <code>sep</code> is not specified, any whitespace string is a separator
<code>s.rstrip([chars])</code>	str	Returns a copy of the string <code>s</code> with trailing whitespace removed. If <code>chars</code> is given and not <code>None</code> , removes characters in <code>chars</code> instead
<code>s.split([sep[, maxsplit]])</code>	string list	Returns a list of the words in <code>s</code> , using <code>sep</code> as the delimiter string. If <code>maxsplit</code> is given, at most <code>maxsplit</code> splits are done. If <code>sep</code> is not specified or is <code>None</code> , any whitespace string is a separator and empty strings are removed from the result
<code>s.splitlines([keepends])</code>	string list	Returns a list of the lines in <code>s</code> , breaking at line boundaries. Line breaks are not included in the resulting list unless <code>keepends</code> is given and true
<code>s.startswith(prefix[, start[, end]])</code>	bool	Returns True if <code>s</code> starts with the specified prefix, False otherwise. With optional <code>start</code> , test <code>s</code> beginning at that position. With optional <code>end</code> , stop comparing <code>s</code> at that position. <code>prefix</code> can also be a tuple of strings to try
<code>s.strip([chars])</code>	str	Returns a copy of the string <code>s</code> with leading and trailing whitespace removed. If <code>chars</code> is given and not <code>None</code> , removes characters in <code>chars</code> instead
<code>s.swapcase()</code>	str	Returns a copy of <code>s</code> with uppercase characters converted to lowercase and vice versa
<code>s.title()</code>	str	Returns a titlecased version of <code>s</code> , i.e. words start with title case characters, all remaining cased characters have lower case
<code>s.translate(table)</code>	str	Returns a copy of the string <code>s</code> , where all characters have been mapped through the given translation table, which must be a mapping of Unicode ordinals to Unicode ordinals, strings, or <code>None</code> . Unmapped characters are left untouched. Characters mapped to <code>None</code> are deleted
<code>s.upper()</code>	str	Returns a copy of <code>s</code> converted to uppercase
<code>s.zfill(width)</code>	str	Pad a numeric string <code>s</code> with zeros on the left, to fill a field of the specified width. The string <code>s</code> is never truncated