

Python String Methods

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Strings are objects with built-in **methods** — callable via `obj.method()` syntax, unlike free functions. Review all of them with `help(str)`, or a specific one with `help(str.<name>)`.

Reading a method's help

Square brackets in a signature indicate optional parameters, and the rule recurses:

`S.find(sub[, start[, end]]) -> int`

means `sub` is required, `start` is optional, and `end` is optional *but only meaningful once `start` is given*.

Common string methods

Method	Description
<code>s.find(sub[, start[, end]])</code>	Lowest index where <code>sub</code> occurs in <code>s[start:end]</code> , or <code>-1</code>
<code>s.title()</code>	Title-cased version of <code>s</code>
<code>s.center(width, fillchar=' ')</code>	Centre <code>s</code> in a string of length <code>width</code>
<code>s.split(sep=None)</code>	Split <code>s</code> on <code>sep</code> (default: any whitespace) into a list
<code>sep.join(xs)</code>	Join a list of strings <code>xs</code> , placing <code>sep</code> between each

Method	Description
<code>s.strip(chars=None)</code>	Remove leading/trailing whitespace (or <code>chars</code>) from <code>s</code>

```

>>> "team".find("I", 1, -1)
-1
>>> "a tale of two cities".title()
'A Tale Of Two Cities'
>>> "spam".center(10, "x")
'xxxspamxxx'
>>> "a, b, c".split(", ")
['a', 'b', 'c']
>>> "xxx".join(["A", "B", "C"])
'AxxxBxxxC'
>>> " 123 \n".strip()
'123'

```