

Case Conversion

Method	Example	Output
lower()	"HELLO".lower()	hello
upper()	"hello".upper()	HELLO
capitalize()	"hello".capitalize()	Hello
title()	"hello world".title()	Hello World
swapcase()	"HeLlO".swapcase()	hElLo
casefold()	"HELLO".casefold()	hello

Searching & Counting

Method	Example	Output
find()	"banana".find("a")	1
rfind()	"banana".rfind("a")	5
index()	"banana".index("n")	2
rindex()	"banana".rindex("n")	4
count()	"banana".count("a")	3
startswith()	"hello".startswith("he")	True
endswith()	"hello".endswith("lo")	True

Boolean Check Method

Method	Example	Output
isalnum()	"abc123".isalnum()	True
isalpha()	"abc".isalpha()	True
isdigit()	"123".isdigit()	True
isdecimal()	"123".isdecimal()	True
isnumeric()	"XII".isnumeric()	True
islower()	"hello".islower()	True
isupper()	"HELLO".isupper()	True
istitle()	"Hello World".istitle()	True
isspace()	" ".isspace()	True
isidentifier()	"var_1".isidentifier()	True
isprintable()	"hello".isprintable()	True
isascii()	"hello".isascii()	True

Replace & Trim

Method	Example	Output
replace()	"hello".replace("l","x")	hexxo
strip()	" hi ".strip()	hi
lstrip()	" hi ".lstrip()	hi
rstrip()	" hi ".rstrip()	hi

Alignment & Padding

Method	Example	Output
center()	"hi".center(6,"*")	**hi**
ljust()	"hi".ljust(5,"-")	hi---
rjust()	"hi".rjust(5,"-")	---hi
zfill()	"42".zfill(5)	00042

Split & Join

Method	Example	Output
split()	"a,b,c".split(",")	['a','b','c']
rsplit()	"a,b,c".rsplit(",",1)	['a,b','c']
splitlines()	"a\nb".splitlines()	['a','b']
join()	"-".join(["a","b"])	a-b

Translate & Encode

Method	Example	Output
maketrans()	str.maketrans("a","x")	table
translate()	"apple".translate(table)	xpple
encode()	"hi".encode("utf-8")	b'hi'

Formatting & Utilities

Method	Example	Output
<code>format()</code>	<code>"My name is {}".format("Alex")</code>	My name is Alex
<code>format_map()</code>	<code>"{a}".format_map({"a":10})</code>	10
<code>expandtabs()</code>	<code>"1\t2".expandtabs(4)</code>	1 2
<code>removeprefix()</code>	<code>"unhappy".removeprefix("un")</code>	happy
<code>removesuffix()</code>	<code>"file.txt".removesuffix(".txt")</code>	file

Special (Dunder) Methods

Method	Example	Output
<code>__len__()</code>	<code>"hi".__len__()</code>	2
<code>__add__()</code>	<code>"hi".__add__("!")</code>	hi!
<code>__mul__()</code>	<code>"ha".__mul__(3)</code>	hahaha
<code>__eq__()</code>	<code>"a".__eq__("a")</code>	True
<code>__contains__()</code>	<code>"a" in "cat"</code>	True
<code>__getitem__()</code>	<code>"hello"[1]</code>	e
<code>__iter__()</code>	<code>list(iter("hi"))</code>	['h','i']
<code>__str__()</code>	<code>str(123)</code>	123
<code>__repr__()</code>	<code>repr("hi")</code>	'hi'