

 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
casifold()	"HELLO".casifold()	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()	"Ⅺ".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
format()	"My name is {}".format("Alex")	My name is Alex
format_map()	"{a}".format_map({"a":10})	10
expandtabs()	"1\t2".expandtabs(4)	1 2
removeprefix()	"unhappy".removeprefix("un")	happy
removesuffix()	"file.txt".removesuffix(".txt")	file

Special (Dunder) Methods

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