Character & Type Check

Method	Description
isalpha()	Check if all characters are letters (a-z, A-Z)
isdigit()	Check if all characters are digits (0-9)
isalnum()	Check if all characters are letters or digits
isupper()	Check if all letters are uppercase
islower()	Check if all letters are lowercase
isspace()	Check if all characters are spaces
istitle()	Check if string is in title case (e.g., "Hello World")

Change Case

Method	Description
upper()	Convert string to uppercase
lower()	Convert string to lowercase
capitalize()	Capitalize first letter
title()	Capitalize first letter of each word
swapcase()	Swap uppercase ↔ lowercase

Search & Count

Method	Description
count(sub)	Count occurrences of substring sub
find(sub)	Return first index of substring sub (or -1 if not found)
rfind(sub)	Return last index of substring sub
index(sub)	Like find() but throws error if not found
rindex(sub)	Like rfind() but throws error if not found
startswith(sub)	Check if string starts with substring
endswith(sub)	Check if string ends with substring

Modify / Replace

Method	Description
replace(old, new)	Replace old substring with new
strip()	Remove spaces from start & end
lstrip()	Remove spaces from left
rstrip()	Remove spaces from right
split(sep)	Split string into list by separator (default space)
rsplit(sep)	Split from right
join(iterable)	Join iterable elements into string with this string as separator

Check Alignment / Length

Method	Description
len(string)	Get length of string (built-in function)
center(width)	Center string with spaces
ljust(width)	Left-align string with spaces
rjust(width)	Right-align string with spaces
zfill(width)	Pad string with zeros on the left

Encoding / Format

Method	Description
format()	Format string using placeholders {}
f"{}"	f-string formatting (Python 3.6+)
encode()	Encode string to bytes
decode()	Decode bytes to string