String Methods:

String methods are **built-in functions** in Python that help us **work with strings easily**.

Commonly Used String Methods

lower() → Converts string to lowercase
"HELLO".lower() → "hello"

upper() → Converts string to uppercase
"hello".upper() → "HELLO"

title() → Capitalizes first letter of each word
"python programming".title() → "Python Programming"

capitalize() → Capitalizes only first letter of string
"python".capitalize() → "Python"

strip() → Removes spaces (leading & trailing)
" hello ".strip() → "hello"

lstrip() → Removes spaces from left
" hello".lstrip() → "hello"

rstrip() → Removes spaces from right
"hello ".rstrip() → "hello"

replace(old, new) → Replaces one substring with another
"I like Java".replace("Java","Python") → "I like Python"

find(sub) → Returns index of first occurrence
"Python".find("t") → 2

count(sub) → Counts how many times a substring occurs
"banana".count("a") → 3

startswith("sub") → Checks if string starts with something
"Python".startswith("Py") → True

endswith("sub") → Checks if string ends with something
"Python".endswith("on") → True

split(" ") → Splits string into list
"I love Python".split(" ") → ["I","love","Python"]

join(list) → Joins list into string
" ".join(["I","love","Python"]) → "I love Python"