**STRING METHODS**

**1. upper():-**Converts string to uppercase.

Example:-

text = "hello"

print(text.upper())

Output: HELLO

2. **lower():-**Converts string to lowercase.

Example:-

text = "HELLO"

print(text.lower())

Output: hello

**3. title():-**Converts the first letter of each word to uppercase.

Example:-

text = "welcome to python"

print(text.title())

Output: Welcome To Python

**4. capitalize():-**Converts the first character to uppercase.

Example:-

text = "python is fun"

print(text.capitalize())

Output: Python is fun

**5. strip():-**Removes spaces from the beginning and end.

Example:-

text = " hello "

print(text.strip())

Output: hello

**6. lstrip() and rstrip():-**Remove spaces from the **left** or **right**.

Example:-

text = " hello "

print(text.lstrip()) Output: "hello "

print(text.rstrip()) Output: " hello"

**7. replace():-**Replaces a substring with another substring.

Example:-

text = "I like Java"

print(text.replace("Java", "Python"))

Output: I like Python

**8. split():-**Splits string into a list using a delimiter (default: space).

Example:-

text = "apple,banana,cherry"

print(text.split(","))

Output: ['apple', 'banana', 'cherry']

**9. join():-**Joins elements of a list into a string.

Example:-

fruits = ['apple', 'banana', 'cherry']

print("-".join(fruits))

Output: apple-banana-cherry

**10. find():-**Returns the **first index** of the substring or -1 if not found.

Example:-

text = "Python Programming"

print(text.find("Pro"))

Output: 7

**11. count():-**Counts the number of occurrences of a substring.

Example:-

text = "banana"

print(text.count("a"))

Output: 3

**12. startswith() and endswith():-**Check if a string **starts** or **ends** with a certain value.

Example:-

text = "Hello Python"

print(text.startswith("Hello")) Output: True

print(text.endswith("Java")) Output: False

**13. isdigit():-**Checks if all characters are digits.

Example:-

num = "12345"

print(num.isdigit())

Output: True

**14. isalpha():-**Checks if all characters are alphabets.

Example:-

word = "Hello"

print(word.isalpha())

Output: True

**15. isalnum():-** Checks if all characters are **alphanumeric** (letters + numbers).

Example:-

data = "Python3"

print(data.isalnum())

Output: True

**16. swapcase():-** Converts **uppercase to lowercase** and vice versa.

Example:-

text = "PyThOn"

print(text.swapcase())

Output: pYtHoN

**17. center(width, char):-** Centers the string with optional fill character.

Example:-

text = "Python"

print(text.center(10, '\*'))

Output: \*\*Python\*\*