**String Manipulation**

1. Understanding how to access and manipulate strings.

* **Accessing**: Use indexing to access characters in a string.

**text = "Hello"**

**print(text[0]) # Output: H**

**print(text[-1]) # Output: o**

* **Manipulating**: Use string methods like upper(), lower(), replace(), etc., to modify strings.

text = "Hello"

print(text.upper()) # Output: HELLO

print(text.replace("H", "J")) # Output: Jello

1. Basic operations: concatenation, repetition,string methods(upper(), lower(), etc.).

* Concatenation: Combine strings using +.
* Repetition: Repeat a string using
* .upper(): Converts to uppercase.
* .lower(): Converts to lowercase.
* .find(): Finds a substring in a string.
* .replace(): Replaces a substring with another.

1. String slicing

* Extract specific parts of a string

text = "Python"

print(text[1:4]) # Output: "yth"