Strings

**Strings:** Strings are a sequence of characters enclosed within single (' '), double (" "), or triple quotes (''' ''' or """ """).

🡪Strings are one of the most commonly used data types and are immutable, meaning once created, their content cannot be changed.

**Ex:** # Single and Double Quotes

s1 = 'Hello'

s2 = "World"

# Triple Quotes (for multi-line strings)

s3 = '''This is a multi-line string'''

s4 = """Another multi-line string"""

**String slicing:-**

* String slicing technique is process of accessing subpart of string.
* This concept is widely used in many programming languages like Python, JavaScript, and others.

**Syntax**:-string[Start:End:Step]

**Start:**-The starting index of the slicing

**End:**The ending index of the slice

**Step:-**The step size or interval between indices.

**Default values:-**

Start:-0

End:-length of string

Step value:-1

**Basic Rules of slicing:-**

* If you want to give start values=0 in slicing it is not necessary to give,  because default value for start value is 0.

Ex:-S[:10]   (or)  s[0:10]  both are same

* If you want to give end value length of string  in slicing no need to give, because default value for end value is length of string.

Ex:-S[3:]  (or)   s[3:11] both are same

* If you  want to give start value=0 and end value=length=length of string, no need to give ,because default value for start value is 0 and end value is length of string.

                            Ex:-S[:]

* If you want to give step value=1 in slicing, no need to give, because default value for step value is 1.

                       Ex:- S[:3:1]   (or)   s[:3]

* Don’t use positive  value and negative value as start and end values in a string slicing query.