**“STRING QUESTIONS AND ANSWERS”**

* ***Concatenate two strings***:

s1 = "Hello"

s2 = "World"

result = s1 + s2

* ***+ operator vs join()****:*

+ is used for combining a few strings:

"a" + "b" + "c"

join() is more efficient for combining many strings:

"".join(["a", "b", "c"])

* ***Access individual characters***:

s = "hello"

first\_char = s[0] # 'h'

* ***Find length of a string***:

len("hello") # Returns 5

* ***Convert to uppercase***:

"hello".upper() # 'HELLO'

* ***Convert to lowercase***:

"HELLO".lower() # 'hello'

* ***Replace substrings***:

"hello world".replace("world", "Python") # 'hello Python'

* ***Split into list***:

"a,b,c".split(",") # ['a', 'b', 'c']

* ***Check if starts with***:

"hello".startswith("he") # True

* ***Check if ends with***:

"hello".endswith("lo") # True

* ***Remove whitespace***:

" hello ".strip() # 'hello'

* ***Find index of substring***:

"hello".find("e") # 1

* ***Count occurrences of substring***:

"banana".count("a") # 3

* ***Check for alphabetic characters***:

"hello".isalpha() # True

* ***Check for numeric characters***:

"12345".isdigit() # True

* ***Check if palindrome***:

s = "madam"

is\_palindrome = s == s[::-1] # True

* ***Reverse a string***:

"hello"[::-1] # 'olleh'

* ***Format with placeholders***:

name = "Alice"

age = 30

f"Name: {name}, Age: {age}" # f-string

* ***Substring using slicing***:

s = "hello"

s[1:4] # 'ell'

* ***Remove specific characters***:

s = "hello!"

s.replace("!", "") # 'hello'