

→ Strings in python are surrounded by either single quotation marks, or double quotation marks.



## → String functions:

These are the functions used to perform simple string functions. **(Popular String methods)**

- ①. len(): Length of the string. len()
- ②. lower(): convert string to lowercase letters (a.lower())
- ③. upper(): convert string to uppercase letters (a.upper())
- ④. capitalize(): converts the first character to upper case
- ⑤. center(): Returns a centered string after padding it with the specified character
- ⑥. count(): Returns the number of times a specified value occurs in a string
- ⑦. replace(): replace specified value with given value
- ⑧. title(): Converts the first character of each word to upper case.

⑦ replace(): replace specified value with given value

⑧ title(): Converts the first character of each word to upper case

⑨ Swapcase: Swaps cases, lower case becomes upper case and vice versa

⑩ index: It returns index of given value [:]

⑪ split(): It breaks string from given value & creates list. - a = "India is my country"

⑫ strip(): remove whitespaces from the beginning or end of a string.



### String Concatenation:

- To concatenate, or combine two strings, you can use the + operator

- If you want to add space then use syntax: a + " " + b

① # without space      ② # with space

a = "Hello"

a = "Hello"

b = "world"

b = "world"

c = a + b

c = a + " " + b

→ print(c)

print(c)

## ▼ String Format

- `format()` method takes the arguments in sequence & place them at placeholder `{}`
- if inside curly bracket, you are putting 1 like `{2}` then first passed argument will get placed at `{2}`

quantity = 3

itemno = 567

price = 49.95

myorder = "I want to pay {2} dollars for {0} pieces of item {1}."

print (myorder.format(quantity, itemno, price))

→ I want to pay 49.95 dollars for 3 pieces of item 567

## ▼ Escape Character

- Escape character are used to escape illegal character in string
- An example of an illegal character is a double quote inside a string that is surrounded by double quotes
- backslash `"\"` is used to escape the character



→ Commonly used ESCAPE character.

① # Single Quote

```
string = 'It's correct.'
```

```
print(string)
```

→ It's correct

② # Backslash

```
string = "Let's insert one \\ (backslash)."
```

```
print(string)
```

→ Let's insert one \ (backslash).

③ # New Line

```
string = "Hello\nworld!"
```

```
print(string)
```

→ Hello  
world!

④ # Tab

```
string = "Hello\tworld!"
```

```
print(string)
```

→ Hello world!