

Python Strip or Trim String – strip()

Python Strip or Trim String

To strip or trim any white space character(s) present at the start or end of a given string, use the method strip() on the string.

Syntax of strip()

The syntax of strip() function is:

```
string.strip(characters)
```

where specified `characters` has to be trimmed of from beginning and ending of the `string`.

Parameter `characters` is optional. If nothing is passed as argument to the strip() method, the set of white space characters is considered as `characters`.

Note: strip() function does not affect any white space between the non-white space characters. We will explain this in the following examples.

Example 1 – Strip or Trim White Spaces at Start and End

In the following basic example, we demonstrate the usage of strip() method. We take a string that has some single white spaces at the start and end of the string.

example.py

```
#the string
str = ' Hello TutorialKart  '

#strip any white characters
strippedStr = str.strip()

print("Original String\n-----")
print(str)
print("\nStripped String\n-----")
print(strippedStr)
```

We have two white spaces at the start of the string and three white spaces at the end. When we apply strip() function on this string, these spaces are removed. The white space between `Hello` and `TutorialKart` is untouched by the strip() method.

Output

```
Original String
-----
Hello TutorialKart

Stripped String
-----
Hello TutorialKart
```

Example 2: Strip or Trim Tabs and Newlines at Start and End

In this example, we will take a string that has newline and tab space characters at the start of the string.

example.py

```
#the string
str = ' \n\tHello TutorialKart '

#strip any white space characters
strippedStr = str.strip()

print("Original String\n-----")
print(str)
print("\nStripped String\n-----")
print(strippedStr)
```

The newline and tab space characters are stripped off.

Output

```
Original String
-----

Hello TutorialKart

Stripped String
-----
Hello TutorialKart
```

Example 3: Strip White Space Character(s)

In this example, we will take a string that has newline and tab space characters at the start and in between non-white space characters of the string.

example.py

```
#the string
str = ' \n\tHello\n\tTutorialKart '

#strip any white space characters
strippedStr = str.strip()

print("Original String\n-----")
print(str)
print("\nStripped String\n-----")
print(strippedStr)
```

The newline and tab space characters present only at the start (and end) of the string are stripped off.

Output

```
Original String
-----

    Hello
    TutorialKart

Stripped String
-----
Hello
    TutorialKart
```

Example 4: Strip Specified Character(s)

In this example, we will take a string and strip any character(s) that are present in the `characters` argument passed to `strip()`.

example.py

```
#the string
str = '---Hello TutorialKart@-@'
characters = '-@'

#strip the string
strippedStr = str.strip(characters)

print("Original String\n-----")
print(str)
print("\nStripped String\n-----")
print(strippedStr)
```

The characters `-` and `@` and any if provided will be removed from beginning and end of this string .

Output

Original String

---Hello TutorialKart@-@

Stripped String

Hello TutorialKart

Conclusion

In this [Python Tutorial](#), we learned to strip or trim any white space characters that are present at start or end of the string using strip() method.

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