

Python String Replace – str.replace()

Python String Replace

Using str.replace() function, we can replace sub-string in a string with new string.

We can replace all or N number of occurrences. We can control this behavior by passing the number N as third argument.

str.replace() Function

The syntax of str.replace() function is

```
str.replace(old, new[, count])
```

returns `str` the original string, from which `old` sub-string is replaced with `new` sub-string. If `count` is provided, replace the `old` sub-string for its first `count` number of occurrences.

Python String Replace – All Occurrences

In this example, we will replace all the occurrences of old sub-string with new sub-string.

example.py – Python Program

```
#string replace example
s1 = 'cat says hey. concat catalog.'
old = 'cat'
new = 'dog'

s2 = s1.replace(old, new)

print(s2)
```

Output

```
dog says hey. condog dogalog.
```

Python String Replace – Only N Occurrences

In this example, we will replace only N occurrences of old sub-string with new sub-string.

example.py – Python Program

```
#string replace example
s1 = 'cat says hey. concat catalog.'
old = 'cat'
new = 'dog'

s2 = s1.replace(old, new, 2)

print(s2)
```

Output

```
dog says hey. condog catalog.
```

In the input string `s1`, only the first two occurrences of the old sub-string is replaced.

Conclusion

In this [Python Tutorial](#), we learned how to use replace a substring in a given string using `str.replace()` function.

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‡ [Python Variable Data Type Conversion](#)

‡ [Python Comments](#)

Control Statements

‡ [Python If](#)

‡ [Python If Else](#)

‡ [Python While Loop](#)

‡ [Python For Loop](#)

Python String

‡ [Python String Methods](#)

‡ [Python String Length](#)

‡ [Python String Replace](#)

‡ [Python Split String](#)

‡ [Python Count Occurrences of Sub-String](#)

‡ [Python Sort List of Strings](#)

Functions

‡ [Python Functions](#)

Python Collections

‡ [Python List](#)

‡ [Python Dictionary](#)

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‡ [Python Multithreading](#)

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