

제6강 String

학습 목차

- 다양한 문자열 처리 함수
- 클립보드 처리
- 핫키 처리

Double quote / Escape character

```
spam = "That is Alice's cat."
```

```
spam = 'Say hi to Bob\'s mother.'
```

Escape character	Prints as
\'	Single quote
\"	Double quote
\t	Tab
\n	Newline (line break)
\\	Backslash

Raw String

```
print(r'That is Carol\'s cat.')
```

Multiple Lines

```
def print_lines():  
    print('''  
애국가  
    동해물과 백두산이 .....  
    우리나라 만세.....  
끝.  
''')
```

Multiline Comments

```
"""This is a test Python program.  
Written by Al Sweigart al@inventwithpython.com  
  
This program was designed for Python 3, not Python 2.  
"""  
  
def spam():  
    """This is a multiline comment to help  
    explain what the spam() function does."""  
    print('Hello!')
```

문자열 포함 여부

```
>>> 'Hello' in 'Hello World'
True
>>> 'Hello' in 'Hello'
True
>>> 'HELLO' in 'Hello World'
False
>>> '' in 'spam'
True
>>> 'cats' not in 'cats and dogs'
False
```

```
>>> 'hello'.isalpha()
True
>>> 'hello123'.isalpha()
False
>>> 'hello123'.isalnum()
True
>>> 'hello'.isalnum()
True
>>> '123'.isdecimal()
True
>>> ' '.isspace()
True
>>> 'This Is Title Case'.istitle()
True
>>> 'This Is Title Case 123'.istitle()
True
>>> 'This Is not Title Case'.istitle()
False
>>> 'This Is NOT Title Case Either'.istitle()
False
```


upper, lower, isupper, islower

```
>>> spam = 'Hello world!'
>>> spam = spam.upper()
>>> spam
'HELLO WORLD!'
>>> spam = spam.lower()
>>> spam
'hello world!'
```

```
>>> spam = 'Hello world!'
>>> spam.islower()
False
>>> spam.isupper()
False
>>> 'HELLO'.isupper()
True
>>> 'abc12345'.islower()
True
>>> '12345'.islower()
False
>>> '12345'.isupper()
False
```

startswith, endswith

```
>>> 'Hello world!'.startswith('Hello')
True
>>> 'Hello world!'.endswith('world!')
True
>>> 'abc123'.startswith('abcdef')
False
>>> 'abc123'.endswith('12')
False
>>> 'Hello world!'.startswith('Hello world!')
True
>>> 'Hello world!'.endswith('Hello world!')
True
```

join

```
>>> ', '.join(['cats', 'rats', 'bats'])  
'cats, rats, bats'  
>>> ' '.join(['My', 'name', 'is', 'Simon'])  
'My name is Simon'  
>>> 'ABC'.join(['My', 'name', 'is', 'Simon'])  
'MyABCnameABCisABCSimon'
```

split

```
>>> 'My name is Simon'.split()  
['My', 'name', 'is', 'Simon']
```

```
>>> 'MyABCnameABCisABCSimon'.split('ABC')  
['My', 'name', 'is', 'Simon']  
>>> 'My name is Simon'.split('m')  
['My na', 'e is Si', 'on']
```

```
>>> spam = '''Dear Alice,  
How have you been? I am fine.  
There is a container in the fridge  
that is labeled "Milk Experiment".
```

Please do not drink it.

Sincerely,

Bob'''

```
>>> spam.split('\n')  
['Dear Alice,', 'How have you been? I am fine.', 'There is a container in the  
fridge', 'that is labeled "Milk Experiment".', '', 'Please do not drink it.',  
'Sincerely,', 'Bob']
```

center, rjust, ljust

```
'hello'.rjust(10)
'hello'.ljust(10)
'hello'.rjust(20, '*')
'hello'.center(20, '=')
```

```
def printPicnic(itemsDict, leftWidth, rightWidth):
    print('PICNIC ITEMS'.center(leftWidth + rightWidth, '-'))
    for k, v in itemsDict.items():
        print(k.ljust(leftWidth, '.') + str(v).rjust(rightWidth))
```

```
picnicItems = {'sandwiches': 4, 'apples': 12, 'cups': 4, 'cookies': 8000}
printPicnic(picnicItems, 12, 5)
printPicnic(picnicItems, 20, 6)
```

strip, rstrip, lstrip

```
>>> spam = ' Hello World '  
>>> spam.strip()  
'Hello World'  
>>> spam.lstrip()  
'Hello World '  
>>> spam.rstrip()  
' Hello World'  
>>> spam = 'SpamSpamBaconSpamEggsSpamSpam'  
>>> spam.strip('ampS')  
'BaconSpamEggs'
```

clipboard text - pyperclip

```
import pyperclip  
pyperclip.copy('Hello from Python')  
pyperclip.paste()
```


키입력 캐칭 - keyboard

```
import keyboard

def report():
    keyboard.write('Shift + Windows + V key is pressed')

keyboard.add_hotkey('shift+windows+v', report)

print("Start to catch hotkey")
keyboard.wait('esc')
print('End hotkey catching')
```