

String manipulation

```
In [19]: s = str()
```

```
In [21]: type(s)
```

```
Out[21]: str
```

```
In [35]: s = 'Hello'
```

```
In [37]: s
```

```
Out[37]: 'Hello'
```

```
In [39]: type(s)
```

```
Out[39]: str
```

```
In [41]: s1 = 'HELLO'
```

```
In [43]: type(s1)
```

```
Out[43]: str
```

```
In [60]: s2 = 'hello WORLD'
```

```
In [62]: s2.capitalize()
```

```
Out[62]: 'Hello world'
```

```
In [64]: s1.lower()
```

```
Out[64]: 'hello'
```

```
In [66]: s.swapcase()
```

```
Out[66]: 'hELLO'
```

```
In [68]: s2.title()
```

```
Out[68]: 'Hello World'
```

```
In [70]: s.upper()
```

```
Out[70]: 'HELLO'
```

```
In [72]: s2 in s
```

Out[72]: False

In [76]: `s1 in s`

Out[76]: False

In [78]: `s3 = 'Hello'`

In [84]: `s3 in s`

Out[84]: True

In [86]: `s in s3`

Out[86]: True

In [88]: `s + s3`

Out[88]: 'HelloHello'

In [92]: `len(s1)`

Out[92]: 5

In [94]: `min(s2)`

Out[94]: ' '

In [96]: `max(s2)`

Out[96]: 'o'

In [98]: `s3 not in s2`

Out[98]: True

In [100... `s3 not in s`

Out[100... False

In [102... `s2 not in s`

Out[102... True

In [104... `s*3`

Out[104... 'HelloHelloHello'

In [106... `s[3]`

Out[106... 'l'

In [108... `s[0:6:2]`

Out[108... `'Hlo'`

In [116... `s.count(s3)`

Out[116... `1`

In [124... `s2.center(1)`

Out[124... `'hello WORLD'`

In [126... `s2.isspace()`

Out[126... `False`

In [128... `s.isspace()`

Out[128... `False`

In [131... `s1.isspace()`

Out[131... `False`

In [133... `s3.isspace()`

Out[133... `False`

In [135... `s2.ljust(7)`

Out[135... `'hello WORLD'`

In [137... `s2.rjust(2)`

Out[137... `'hello WORLD'`

In [139... `s.strip()`

Out[139... `'Hello'`

In [199... `s.index('e',0,10)`

Out[199... `1`

In [145... `s.find(s1)`

Out[145... `-1`

In [147... `s.find(s2)`

Out[147... `-1`

In [153... `s = 'Hello WORLD python'`

In [159... `s.replace(s1,s2)`

Out[159... `'Hello WORLD python'`

In [163... `s.rfind(s2)`

Out[163... `-1`

In [167... `s.rindex(s1)`

```
-----  
ValueError                                Traceback (most recent call last)  
Cell In[167], line 1  
----> 1 s.rindex(s1)  
  
ValueError: substring not found
```

In [169... `s.casefold()`

Out[169... `'hello world python'`

In [183... `s1.islower()`

Out[183... `False`

In [185... `s1.isupper()`

Out[185... `True`

In [195... `s3.istitle()`

Out[195... `True`

In [203... `s1 = 'Bkp1234'`

In [205... `s1.isalnum()`

Out[205... `True`

In [207... `s.endswith(s1)`

Out[207... `False`

In [209... `s.endswith(s2)`

Out[209... `False`

In [223... `s3.isalpha()`

Out[223... `True`

In [225... `s3`

Out[225... `'Hello'`

In [239... `s4 = '1234'`

In [241... `s4.isdecimal()`

Out[241... `True`

In [243... `s4.isnumeric()`

Out[243... `True`

In [245... `s.startswith(s1)`

Out[245... `False`

In [247... `s.join('bkp')`

Out[247... `'bHello WORLD pythonkHello WORLD pythonp'`

In [259... `s.partition('bkp')`

Out[259... `('Hello WORLD python', '', '')`

In [261... `s.rpartition('bkp')`

Out[261... `('', '', 'Hello WORLD python')`

In [265... `s.rsplit('bkp',3)`

Out[265... `['Hello WORLD python']`

In [267... `s.split('bkp',2)`

Out[267... `['Hello WORLD python']`

In [269... `s.splitlines()`

Out[269... `['Hello WORLD python']`

In [271... `s.isdigit()`

Out[271... `False`

In [273... `s.isidentifier()`

Out[273... `False`

In [275... `s.isprintable()`

Out[275... True

In [291... `s.center(2, 'w')`

Out[291... 'Hello WORLD python'

In [297... `s.expandtabs()`

Out[297... 'Hello WORLD python'

In [301... `s.zfill(1)`

Out[301... 'Hello WORLD python'

In []:

In [314... `print('hello\'world\'python\\tnewline\\hi')`

hello'world"python newline\hi

In [316... `print('hello\bworld')`

hellworld

In [326... `print('\ooo45')`

\ooo45

<>:1: SyntaxWarning: invalid escape sequence '\o'

<>:1: SyntaxWarning: invalid escape sequence '\o'

C:\Users\bikas\AppData\Local\Temp\ipykernel_240660\151346341.py:1: SyntaxWarning: invalid escape sequence '\o'

print('\ooo45')

In []:

In []:

In []:

In []:

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