

▼ **string.replace()**

```
s = 'python'  
print(s.replace('p','P'))
```

Python

```
s = 'good morning'  
print(s.replace('o','O'))
```

gOOd mOrning

```
s = 'good morning'  
print(s.replace('o','@'))
```

g@@d m@rning

```
s = 'good morning'  
print(s.replace('o','@@'))
```

g@@@@ m@@rning

```
s = 'good morning'  
print(s.replace('good','GUD'))
```

GUD morning

```
s = 'good morning'  
print(s.replace('o','O',1))
```

gOod morning

```
s = 'good morning'  
print(s.replace('o','O',2))
```

gOOd morning

```
s = 'good morning'  
print(s.replace('o','O',3))
```

gOOd mOrning

```
s = 'good morning'  
print(s.replace('o','O',50))
```

gOOd mOrning

▼ **string.startswith()**

```
s = 'python'  
print(s.startswith('p'))
```

True

```
s = 'python'
print(s.startswith('j'))
```

False

```
s = 'python'
print(s.startswith('y'))
```

False

```
s = 'python'
print(s.startswith('y',1))
```

True

```
s = 'python' #nohtyp
print(s[::-1].startswith('n'))
```

True

```
s = 'python'
print(s[::-1].startswith('p'))
```

False

```
s = 'python'
print(s[::-1].startswith('p',5))
```

True

```
s = 'python'
print(s.startswith('py'))
```

True

```
s = 'python'
print(s.startswith('py',1))
```

False

```
s = 'python'
print(s.startswith('p')[::-1])
```

```
-----
TypeError                                Traceback (most recent call last)
```

```
<ipython-input-19-17652623f182> in <module>
```

```
1 s = 'python'
```

```
----> 2 print(s.startswith('p')[::-1])
```

```
TypeError: 'bool' object is not subscriptable
```

SEARCH STACK OVERFLOW

▼ string.endswith()

```
s = 'python'
print(s.endswith('n'))
```

True

```
s = 'python'
print(s.endswith('o',0,5))
```

True

▼ string.center()

```
s = 'python'
print(s.center(10, '*'))
```

python

```
s = 'python'
print(s.center(11, '*'))
```

***python**

```
s = 'pythoon'
print(s.center(10, '*'))
```

*pythoon**

```
s = 'python'
print(s.center(17, '*'))
```

*****python*****

```
s = 'python'
print(s.center(17, '|'))
```

|||||python|||||

```
s = 'python'
print(s.center(17, '||'))
```

```
-----
TypeError                                Traceback (most recent call last)
<ipython-input-28-a6c27ef0da3f> in <module>
      1 s = 'python'
----> 2 print(s.center(17, '||'))
```

TypeError: The fill character must be exactly one character long

SEARCH STACK OVERFLOW

```
s = 'python'
print(s.center(17, 'I'))
```

IIIIIIpythonIIIII

```
s = 'python'
print(s.center(17, '0'))
```

000000python00000

```
s = 'python'
print(s.center(2, '@'))
```

python

▼ string.format()

```
s = 'hello, good morning'
print(s)
```

```
hello, good morning
```

```
s = 'hello, good'
print(s.format('morning'))
```

```
hello, good
```

```
s = 'hello, good {}'
print(s.format('morning'))
```

```
hello, good morning
```

```
s = 'hello, good {}' # { } is a place holder
print(s.format('afternoon'))
```

```
hello, good afternoon
```

```
s = '{} {} {}'
print(s.format('hello','good','evening'))
```

```
hello good evening
```

```
s = '{} {} {}'
print(s.format('very','good','evening'))
```

```
very good evening
```

```
s = '{} {} {}'
print(s.format(10,15.89,True))
```

```
10 15.89 True
```

```
s = '{} {} {}'
print(s.format(100))
```

```
-----
IndexError                                Traceback (most recent call last)
<ipython-input-39-9391cfbc8400> in <module>
      1 s = '{} {} {}'
----> 2 print(s.format(100))
```

```
IndexError: Replacement index 1 out of range for positional args tuple
```

SEARCH STACK OVERFLOW

```
s = '{} {} {}'
print(s.format(1,2,3,4,5,6))
```

```
1 2 3
```

```
s = 'I have {} {} and {} notes'
print(s.format(10,20,50))
```

```
I have 10 20 and 50 notes
```

```
s = 'I have {} {} and {} notes'
print(s.format('&','$','@@'))
```

I have & \$ and @@ notes

```
s = 'I have {2} {0} and {1} notes'
print(s.format(10,20,50))
# I have 50 10 and 20 notes
```

I have 50 10 and 20 notes

```
s = 'I have {0} {0} and {0} notes'
print(s.format(10))
```

I have 10 10 and 10 notes

```
s = 'I have {2} {0} and {} notes'
print(s.format(10,20,50))
```

```
-----
ValueError                                Traceback (most recent call last)
<ipython-input-46-9b0b8fe0ff70> in <module>
      1 s = 'I have {2} {0} and {} notes'
----> 2 print(s.format(10,20,50))

ValueError: cannot switch from manual field specification to automatic field numbering
```

SEARCH STACK OVERFLOW

```
s = '''
Hello, Dear {},
```

Tomorrow we have walk-in interviews.

```
Thanks and regards,
HR manager.
'''
```

```
print(s.format('jagadeesh'))
```

Hello, Dear jagadeesh,

Tomorrow we have walk-in interviews.

Thanks and regards,

HR manager.

```
print(s.format('rajeev'))
```

Hello, Dear rajeev,

Tomorrow we have walk-in interviews.

Thanks and regards,

HR manager.

```
print(s.format('venkat'))
```

Hello, Dear venkat,

Tomorrow we have walk-in interviews.

Thanks and regards,
HR manager.