

Other Methods for String Processing

capitalize()

capitalize(): This method converts the first character of a string to uppercase letter.

```
>>> var='internshala'  
>>> var.capitalize()  
'Internshala'  
>>>
```

upper()

upper(): This method returns a string with lowercase characters replaced by corresponding uppercase characters.

```
>>> var='internshala'  
>>> var.upper()  
'INTERNSHALA'  
>>>
```

lower()

lower(): This method results in a string with uppercase characters replaced by corresponding lowercase characters.

```
>>> var='INTERNSHALA'  
>>> var.lower()  
'internshala'  
>>>
```

title()

title(): This method results in a string with the first character of each word converted to uppercase.

```
>>> var='python training from internshala'
>>> var.title()
'Python Training From Internshala'
>>>
```

find()

find(): This method finds the first occurrence of a substring in another string. If not found, the method returns -1.

```
>>> var='python training from internshala'
>>> var.find('in')10
>>> var.find('on')4
>>> var.find('run')-1
>>>
```

The substring 'in' first occurs at the 10th position (count starts from 0), 'on' is found at the 4th position, but 'run' is not found hence returns -1.

index()

index(): This method is similar to find() but throws a ValueError if the substring is not found.

```
>>> var='python training from internshala'
>>> var.index('in')10
>>> var.index('run')Traceback (most recent call last):
  File "<pyshell#19>", line 1, in <module>
    var.index('run')
ValueError: substring not found
>>>
```

count()

count(): This method returns the number of occurrences of a substring in given string.

```
>>> var='python training from internshala'
>>> var.count('in')
3
>>>
```

isalpha()

isalpha(): This method returns true if all the characters in a string are alphabetic (a-z or A-Z), otherwise returns false.

```
>>> var='Internshala'
>>> var.isalpha()
True
>>> var='Intern shala'
>>> var.isalpha()
False
>>>
```

isdigit()

isdigit(): This method returns true if all characters in a string are digits(0-9), if not returns false.

```
>>> var='2000'
>>> var.isdigit()
True
>>> var='2,000'
>>> var.isdigit()
False
>>>
```

islower()

islower(): This method returns true if all characters in a string are lowercase characters else returns false.

```
>>> var='internshala'
>>> var.islower()
True
>>> var='Internshala'
>>> var.islower()
False
>>> var='intern shala'
>>> var.islower()
True
>>>
```

isupper()

isupper(): This method returns true if all characters in a string are uppercase characters else returns false.

```
>>> var='INTERN_SHALA'
>>> var.isupper()
True
>>> var='INTERNshala'
>>> var.isupper()
False
>>> var='INTERN+SHALA'
>>> var.isupper()
True
>>> var='1234'
>>> var.isupper()
False
>>>
```