**Modify String**

**capitalize()—Converts the first character to upper case**

b="monkey"  
print(b.capitalize())*#Monkey*

**casefold()— Converts string into lower case**

c="DONKEY"  
print(c.casefold())*#donkey*

**swapcase()—Swaps cases, lower case becomes upper case and vice versa**

a="Motivation, Demotivation"  
print(a.swapcase())*#mOTIVATION, dEMOTIVATION*

**title()—Converts the first character of each word to upper case**

a="Motivation, Demotivation"  
print(a.title())#Motivation, Demotivation

**Upper() — returns the string in upper case**

a="Motivation, Demotivation"  
print(a.upper()) *#MOTIVATION, DEMOTIVATION*

**Lower()—returns the string in lower case**

a="Motivation, Demotivation"  
print(a.lower())*#motivation, demotivation*

**Strip()—removes any whitespace from the beginning or the end or Returns a trimmed version of the string**

a="Motivation, Demotivation"  
print(a.strip())*#Motivation, Demotivation*

**lstrip()—Returns a left trim version of the string**

a="Motivation, Demotivation"

print(a.lstrip())

**rstrip()—Returns a right trim version of the string**

a="Motivation, Demotivation"

print(a.rstrip())

**Replace(old,new)—replaces a string with another string**

a="Motivation, Demotivation"  
print(a.split(','))*#['Motivation', ' Demotivation']*

**Spilt()—splits the string into substrings if it finds instances of the separator**

a="Motivation, Demotivation"  
print(a.replace("Demotivation", "Determination"))*#Motivation, Determination*

**rsplit()—Splits the string at the specified separator, and returns a list**

a="Motivation, Demotivation"  
print(a.rsplit())*#['Motivation,', 'Demotivation']*

**splitlines()—Splits the string at line breaks and returns a list**

a="Motivation, Demotivation"

print(a.splitlines())*#['Motivation, Demotivation']*

**String Methods**

All string methods returns new values. They do not change the original string

center()— Returns a centered string

encode()— Returns an encoded version of the string

expandtabs()— Sets the tab size of the string

join()— Joins the elements of an iterable to the end of the string

ljust()— Returns a left justified version of the string

rjust()— Returns a right justified version of the string

maketrans() Returns a translation table to be used in translations

translate()— Returns a translated string

zfill()— Fills the string with a specified number of 0 values at the beginning

partition()— Returns a tuple where the string is parted into three parts

text = "my age is 37"  
print(text.partition(",")) *#('my age is 37', '', '')*

rpartition()— Returns a tuple where the string is parted into three parts

text = "my age is 37"

print(text.rpartition(',')) *#('', '', 'my age is 37')*

endswith()— Returns true if the string ends with the specified value

text = "my age is 37"

print(text.endswith("37"))*#True*

startswith()— Returns true if the string starts with the specified value

text = "my age is 37"

print(text.startswith("no"))*#False*

find()— Searches the lowest string for a specified value and returns the position of where it was found

text = "my age is 37 and I am young"

print(text.find("a"))*#3*

rfind()— Searches the highest string for a specified value and returns the last position of where it was found. If not found -1 returns

text = "my age is 37 and I am young"

print(text.rfind("a"))*#19*

index()— Searches the lowest index string for a specified value and returns the position of where it was found

text = "my age is 37 and I am young"

print(text.index("a"))*#3*

rindex()— Searches the highest index string for a specified value and returns the last position of where it was found

text = "my age is 37 and I am young"

print(text.rindex("a"))*#19*

count()— Returns the number of times a specified value occurs in a string

text = "my age is 37 and I am young"

print(text.count("y"))*#2*

isalnum()— Returns True if all characters in the string are alphanumeric

text = "Age37"

print(text.isalnum())*#True*

isalpha()— Returns True if all characters in the string are in the alphabet

text = "Age"

print(text.isalpha())*#False*

isdecimal()— Returns True if all characters in the string are decimals

text1 = "37.5"  
print(text1.isdecimal())*#False*

isdigit()— Returns True if all characters in the string are digits

text = "age"  
print(text.isdigit())*#False*

isidentifier()— Returns True if the string is an identifier

a = "age"  
b = "age is 37"  
print(a.isidentifier())*#True*print(b.isidentifier())*#Flase*

islower()— Returns True if all characters in the string are lower case

text = "my age is 37 and I am young"

print(text.islower())*#False*

isnumeric()— Returns True if all characters in the string are numeric

text = "my age is 37 and I am young"

print(text.isnumeric())*#False*

isprintable()— Returns True if all characters in the string are printable

text = "my age is 37 and I am young"

print(text.isprintable())*#True*

isspace()— Returns True if all characters in the string are whitespaces

x=" "  
y="check"

print(x.isspace())*#True*print(y.isspace())*#False*

istitle() —Returns True if the string follows the rules of a title

text = "my age is 37 and I am young"

print(text.istitle())*#False*

isupper()— Returns True if all characters in the string are upper case

text = "my age is 37 and I am young"

print(text.isupper())*#False*