In [1]:
```
#type
str1 = "python"
str2 = 'class'
str3 = """ we are here to learn,
let's make it."""
print(type(str1))
print(type(str2))
print(type(str3))
```

```
<class 'str'>
<class 'str'>
<class 'str'>
```

In [9]:
```
#string operations
#concentanation
str1 = "set"
str2 = "of"
str3 ="words"
result = str1+" "+str2+" "+str3
print(result)

#repetition
result = str2 * 4
print(result)

#Indexing
my_string = "She wore a string of pearls around her neck"
print(my_string[10])
print(my_string[4])

#slicing
slice = my_string[2:11]
print(slice)
```

```
set of words
ofofofof

w
e wore a
```

In [23]:
```
#python_format_strings
#% operator
name = "Harini"
age = 22
format_string = "My name is %s and I am %d years old."%(name,age)
print(format_string)

#format method
name = "Tarun"
age = 45
message = "Hello"
format_string = "my name is {} and i am {} years old, share this {} with amla.".format(name,age,message)
print(format_string)

#f_string_python
format_string = f"my name is {name} and i am {age} years old"
print(format_string)
```

```
My name is Harini and I am 22 years old.
my name is Tarun and i am 45 years old, share this Hello with amla.
my name is Tarun and i am 45 years old
```

In [35]:
```
#string method
#len()
a = "Hello, welcome to everyone"
length = len(a)
print("len:",length)

#lower()/upper()
str = "morning"
print("upper:",str.upper())
str = "VERY"
print("lower:",str.lower())

#strip()
string = " hello hi"
print("strip:", string.strip())

#replace()
msg = "Good afternoon"
new_msg = msg.replace("afternoon","evening")
print("replace:",new_msg)

#split()
b = "Siri doesn't like vegetables"
words = b.split()
print("split:",words)

#join()
words = ["dogs", "is", "so", "cute"]
join_str = ' '.join(words)
print("join:",join_str)

#capitalize()
c = "once upon a time"
print("captial:",c.capitalize())

#casefold()
d = "Once Upon A Time"
print("case:", d.casefold())

#center()
print("center:",d.center(30))

#count()
print("count:",d.count("Upon"))

#encode()
print("encode:",c.encode())

#endswith()
txt = "hello, welcome to my world."
x = txt.endswith(".")
print(x)

#expandtabs()
txt = "H\te\tl\tlo"
print(txt.expandtabs(10))
print(txt.expandtabs(2))

#find()
txt = "everything is so beautiful when your positive"
x = txt.find("so")
print("find:",x)

#index()
x = txt.index("is")
print("index:",x)

#isalnum()
enu = "welcomeback10"
y = enu.isalnum()
print("isalnum:",y)

#isalpha()
val = "evening"
x = val.isalpha()
print("isalpha:",x)

#isascii()
txt = "industries23"
y = txt.isascii()
print("isascii:",y)

#isdecimal()
num = "1234"
print("isdecimal:",num.isdecimal())

#isdigit()
num = "53657684"
print("isdigit:",num.isdigit())

#isidentifier()
txt1 = "gun"
txt2 = "2values"
print("isidentifier:", txt1.isidentifier())
print("isidentifier:", txt2.isidentifier())

#islower()
txt = "dead by daylight"
print("low:",txt.islower())

#isupper
txt = "PYTHON"
print("upper:",txt.isupper())

#isnumeric()
num = "654"
print("num:",num.isnumeric())

#isprintable()
txt = "how are you?"
print("print:",txt.isprintable())

#isspace()
txt = "  "
print("space:",txt.isspace())

#istitle()
txt = "hello"
print("title:",txt.istitle())

#ljust()
txt = "dead"
print("ljust:",txt.ljust(30)," by daylight")

#lstrip()
txt = " Roja "
print("lstrip:","my favorite move is",txt.lstrip())

#maketrans()
txt = "morning harini"
print("trans:",txt.maketrans("h","a"))

#partition()
txt = "my puppies are happy"
print("partition:",txt.partition("puppies"))

#rfind()
txt = "tarun reddy, murali reddy"
print("rfind:",txt.rfind("reddy"))

#rindex()
txt = "tarun reddy, murali reddy"
print("rindex:",txt.rindex("reddy"))

#rjust()
txt = "dead"
print("rjust:",txt.rjust(30)," by daylight")

#rpartition()
txt = "tarun reddy, murali reddy"
print("rpartition:",txt.rpartition("reddy"))

#rsplit()
txt = "RRR,KGF,MOM"
print("rsplit:",txt.rsplit(", "))

#rstrip()
txt = "     banana     "
print("rstrip:",txt.rstrip(),"is my favorite fruit")

#splitlines
txt = "your beautiful\nyour looking cool"
print("splitlines:",txt.splitlines())

#startswith()
txt = "my puppies are happy"
print("startswith:",txt.startswith("my"))

#strip()
txt = "     banana     "
print("strip:",txt.strip(),"is my favorite fruit")

#swapcase
txt = "How are YOU?"
print("swapcase:",txt.swapcase())

#title()
txt = "welcome back"
print("title:",txt.title())

#translate()
txt = "hello sir"
x = "sir"
y = "ram"
my_table = txt.maketrans(x,y)
print("dic:",my_table)
print("translate:",txt.translate(my_table))

#zfill()
txt ="50"
print("zfill:",txt.zfill(5))
```

```
len: 26
upper: MORNING
lower: very
strip: hello hi
replace: Good evening
split: ['Siri', "doesn't", 'like', 'vegetables']
join: dogs is so cute
captial: Once upon a time
case: once upon a time
center:          Once Upon A Time
count: 1
encode: b'once upon a time'
True
H       e       l       lo
H e l lo
find: 14
index: 11
isalnum: True
isalpha: True
isascii: True
isdecimal: True
isdigit: True
isidentifier: True
isidentifier: False
low: True
upper: True
num: True
print: True
space: True
title: False
ljust: dead                                by daylight
lstrip: my favorite move is Roja
trans: {104: 97}
partition: ('my ', 'puppies', ' are happy')
rfind: 20
rindex: 20
rjust:                              dead  by daylight
rpartition: ('tarun reddy, murali ', 'reddy', '')
rsplit: ['RRR,KGF,MOM']
rstrip:      banana is my favorite fruit
splitlines: ['your beautiful', 'your looking cool']
startswith: True
strip: banana is my favorite fruit
swapcase: HOW ARE you?
title: Welcome Back
dic: {115: 114, 105: 97, 114: 109}
```

```
translate: hello ram
zfill: 00030
```

In [ ]: