```
print("Hello there!\nHow are you?\nI\'m doing great,Thank you.")
```

```
Hello there!
How are you?
I'm doing great,Thank you.
```

Raw Strings

```
print(r"Hello there! How are you doing?\n I\'m doing great, Thank you.")
```

```
Hello there! How are you doing?\n I\'m doing great, Thank you.
```

```
print(r"C:\Program Files\Greenshot\Languages\File-1.html")
```

```
C:\Program Files\Greenshot\Languages\File-1.html
```

Multi Line Strings

```
print('''
    Dear Alice,
    I'm not feeling well, so unfortunately, I won't be able to attend the party you're hosting.

    Please accept my apologies.

    Regards,
    Manikantan.


    ''')
```

```
        Dear Alice,
        I'm not feeling well, so unfortunately, I won't be able to attend the party you're hosting.

        Please accept my apologies.

        Regards,
        Manikantan.
```

INDEXING

```
str = "Hello World!"
str
```

```
'Hello World!'
```

```
print(str[0]) #1st character of the string
print(str[-1]) #last character of the string
print(str[4]) #5th character of the string
print(str[:]) # entire character
```

```
H
!
o
Hello World!
```

⌄ Slicing

```
str[0:4]
```

```
'Hell'
```

```
str[:5]
```

```
'Hello'
```

```
str[6:-1]
```

```
'World'
```

```
str[::-1]
```

```
'!dlroW olleH'
```

```
str[0:5]
```

```
'Hello'
```

⌄ In and Not in Operators

```
'Hello' in str
```

```
True
```

```
'wereld' in str
```

```
False
```

```
'HELLO' in str
```

    False

```
' ' in str
```

    True

```
'wereld' not in str
```

    True

upper(), lower() and title()

```
strGreetings = "Hello Good Morning"
print(strGreetings.upper())
strGreetings = strGreetings.upper()
print(strGreetings.isupper())
```

    HELLO GOOD MORNING
    True

```
print(strGreetings.lower())
strGreetings = strGreetings.lower()
print(strGreetings.islower())
```

    hello good morning
    True

```
strGreetings.title()
```

    'Hello Good Morning'

```
#isalpha() to whether where input string is alphabets
str = 'HelloPython'
print(str.isalpha())
```

    True

```
#isalnum() to whether where input string is alpha numeric
str = 'Pa55w0rd'
print(str.isalnum())
```

    True

```python
#isdecimal() to check string consists only of numbers
dec = "12"
dec.isdecimal()
```

```
True
```

```python
strtext = "Hello World!"
strtext.startswith("Hel")
```

```
True
```

```python
strtext.endswith("d!")
```

```
True
```

```python
''.join(['My','name','is','Simon'])
```

```
'MynameisSimon'
```

```python
#join Method joins a list to string

l1 = ["India","US","Srilanka","Malaysia","Singapore"]
print("|".join(l1))
print(" ".join(l1))
```

```
India|US|Srilanka|Malaysia|Singapore
India US Srilanka Malaysia Singapore
```

```python
#split method splits a string to list
'My name is Simon'.split(' ')
```

```
['My', 'name', 'is', 'Simon']
```

```python
z = 2 + 3j
type(z) is complex
```

```
True
```

```python
'Hello'.rjust(10)
```

```
'     Hello'
```

```python
'Hello'.rjust(10,'*')
```

```
'*****Hello'
```

```python
'Hello'.ljust(10)
```

```
'Hello     '
```

```python
'Hello'.ljust(10,'&')
```

    'Hello&&&&&'

```python
'Hello'.center(10)
```

    ' Hello   '

```python
'Hello'.center(10,'%')
```

    '%%Hello%%%'

```python
strMsg =' Hello World '
strMsg.strip()
```

    'Hello World'

```python
strMsg = 'Hello World '
strMsg.lstrip()
```

    'Hello World '

```python
sentence='one sheep two sheep three sheep four'
sentence.count('sheep',7)
```

    2

```python
text = "Hello, world!"
text.replace('world','Planet')
```

    'Hello, Planet!'

```python
fruits = "apple, banana, cherry, apple"
fruits.replace("apple","orange",1)
```

    'orange, banana, cherry, apple'

```python
sentence.count('o',)
```

    3

✓ PYTHON PRINT STATEMENT

```python
a = 10
b = 20
print(a)
print(b)
```

```
10
20
```

```python
print(10)
print(20.5)
print('python')
print(a,b,'Python Tutorial')
```

```
10
20.5
python
10 20 Python Tutorial
```

```python
num1,num2 = 20,50
add = num1 + num2
print(add)
```

```
70
```

⌄ Print Result with String

```python
num1,num2 = 20,50
sum = num1 + num2
print('Sum of num1:-',num1,'and num2:-',num2,"is",sum)
```

```
Sum of num1:- 20 and num2:- 50 is 70
```

```python
name='Python'
age=20
city='hyderabad'
#hellow my name is python and i am 10 year old from hydrabad
print("Hello my name is",name,"and iam",age,"year old from",city)
```

```
Hello my name is Python and iam 20 year old from hyderabad
```

```python
num1,num2 = 20,50
sum = num1 + num2
print('Sum of num1:-{} and num2:-{} is {}'.format(num1,num2,sum))
```

```
Sum of num1:-20 and num2:-50 is 70
```

```python
name='Manikantan'
age=28
city='Chennai'
#hellow my name is python and i am 10 year old from hydrabad
print('Hello my name is {} and I am {} years old and Iam from {}'.format(name,age,city))
```

```
Hello my name is Manikantan and I am 28 years old and Iam from Chennai
```

```
'''
print the below statement
# The avrage of num1,num2,num3 is = avg
'''
num1,num2,num3=100,25,333
avg = round((num1+num2+num3)/3,2)
print("The average of {},{},{} is {}".format(num1,num2,num3,avg))
```

⤓ The average of 100,25,333 is 152.67

```
pi = 3.147899
round(pi,2)
```

⤓ 3.15

⌄ More short format meythod(f string method)

```
num1,num2 = 70,140
sum = num1 + num2
print(f'The sum of 2 variables {num1} and {num2} is {sum}')
```

⤓ The sum of 2 variables 70 and 140 is 210

```
#hellow my name is python and i am 10 year old from hydrabad
name,age,city = 'Mani Bhai','28','Dubai'
print(f'Hello my name is {name} I am {age}yrs old and I am from {city}.')
```

⤓ Hello my name is Mani Bhai I am 28yrs old and I am from Dubai.

```
# The avrage of num1,num2,num3 is = avg
num1,num2,num3 = 8,9,10
print(f"The average of {num1},{num2},{num3} is {round((num1 +num2 + num3)/2,2)}")
```

⤓ The average of 8,9,10 is 13.5

```
# lete combine all
num1,num2,num3 = 8,9,10
avg = round((num1 + num2 + num3)/3,2)
print('average of num1-',num1,'num2-',num2,'and num3-',num3,'is',avg)
print('average of num1- {},num2- {} and num3- {} is {}'.format(num1,num2,num3,avg))
print(f'average of num1- {num1},num2- {num2} and num3- {num3} is {avg}')
```

⤓ average of num1- 8 num2- 9 and num3- 10 is 9.0
    average of num1- 8,num2- 9 and num3- 10 is 9.0
    average of num1- 8,num2- 9 and num3- 10 is 9.0

⌄ End Statement

```
# i want print like:- hello good morning using end statement
print('Hello,')
print('Good Morning!!',end = '')
print('How are you?')
```

⤳ Hello,
    Good Morning!!How are you?

```
print('Hello','Hi','How are you?',sep='-->')
```

⤳ Hello-->Hi-->How are you?

```
print('Hello','Hi','How are you?',sep='&')
```

⤳ Hello&Hi&How are you?

```
print('Hello','Hi','How are you?',sep='@')
```

⤳ Hello@Hi@How are you?

```
print('hello','hai','how are you',sep=' ')
```

⤳ hello hai how are you

```
print(3,'.')
```

⤳ 3 .

```
print(3,'.',sep='') #removes the blank space
```

⤳ 3.

```
comma = ','
print(f'1{comma}2{comma}',end='')
print(3,'.',sep='')
```

⤳ 1,2,3.

```
StrTest = "hello World"
StrTest.capitalize()
```

⤳ 'Hello world'

```
StrTest.swapcase()
```

⤳ 'HELLO wORLD'

```
'h' in StrTest
```

```
True
```

```
StrTest * 2
```

```
'hello Worldhello World'
```