



```
print ("Hello World", end=';')
print ("Line1", end=';')
print ("Line2")

print ("Line3")

print ("Word1", "Word2", "Word3", sep=',')

print
("-----")

# Variables
var = 5
print (var, '->', type(var))

var = 1.5
print (var, '->', type(var))

var = 'A'
print (var, '->', type(var))

var = True
var = False
print (var, '->', type(var))

var = "I am string"
print (var, '->', type(var))

print
("-----")

# Multiple Assignments
num1 = num2 = num3 = 5
print ("Num1 ->", num1)
print ("Num2 ->", num2)
print ("Num3 ->", num3)

num, float_num, string = 1, 1.5, "This is String"
print ("Num ->", num)
print ("Float Num ->", float_num)
print ("String ->", string)

print
("-----")

# Quotes
# No difference between single and double quotes in Python
'''
```



```
Line1 Comment
Line2 Comment
Line3 Comment
'''
string_1 = 'I am with \'single\' quotes'
string_2 = "I am with \"double\" quotes"

print ("Single Quotes ->", string_1, '->', type(string_1))
print ("Double Quotes ->", string_2, '->', type(string_2))

string_3 = """
I am line1 in the string
I am line2 in the string
"""
print ("Triple Double Quotes ->", string_3, '->', type(string_3))

print
("-----")

string = "Python is Awesome"
print ("string ->", string)
print ("string[0] ->", string[0])
print ("string[0:6] ->", string[0:6])
print ("string[0:9:2] ->", string[0:9:2])
print ("string[:2] ->", string[:2])
print ("string[-5] ->", string[-5])
#print ("string[100] ->", string[100])

print (string * 2)
print (string + " Scripting Language")
print (2 + 3)
print ("2" + "3")
print (str(2) + "3")
print (2 + int("3"))

# Float Num
float_num = 2.3
string_num = str(float_num)
print ("String Num ->", string_num, '->', type(string_num))

# string_num = "2a3"

rev_float_num = float(string_num)
print ("Rev Float Num ->", rev_float_num, '->', type(rev_float_num))

print
("-----")
```



```
# Input Function
#string = input("Enter Any String -> ")
print ("User Input ->", string, '->', type(string))

#num = int(input("Enter Any Number -> "))
print ("User Input ->", num, '->', type(num))

# DEL Function
print ("Before DEL ->", string)
# del(string)
print ("After DEL ->", string)

# ABS Function
print ("Abs ->", abs(-45))

# Divmod Function
print ("Division Pair ->", divmod(11, 4))

# Pow Function
print ("POW Function ->", pow(2, 3))

print
("-----")

# String Methods
# string = input("Enter Any String -> ")
string = "I am writing Python Scripting"
print ("User Input ->", string, '->', type(string))

print ("Length ->", len(string))

# Startswith/Endswith
print ("Startswith ->", string.startswith("Python"))
print ("Endswith ->", string.endswith("Python"))

# Replace Method
rep_str = string.replace("Python", "New Python")
print ("Replace Method ->", rep_str)
print ("After Replace ->", string)

# Split Method
spt_str = string.split(' ')
print (spt_str, '->', type(spt_str))

# Join Method
joined_str = ';'.join(spt_str)
print (joined_str, '->', type(joined_str))
```



```
# Upper and Lower Method
print ("Upper ->", string.upper())
print ("Lower ->", string.lower())

# Count Method
print ("Count ->", string.count('ting'))
print ("Number of 'i's ->", (string.lower()).count('i'))

# Strip Method
string = "          I am String          "
print ("Without Strip ->", string)
print ("Removing Leading Spaces ->", string.lstrip(' '))
print ("Removing Trailing Spaces ->", string.rstrip(' '))
print ("Removing Both Spaces ->", string.strip(' '))

string = "I am string"
print ("After Strip ->", string.strip('g'))

print
print ("-----")
```