



EXPLORER

OPEN EDITORS

percipio24_python_scripts_m...

PYTHON

▶ Automate-Boring-Stuff

▶ my_code

▶ Percipio_Python3-Course

▶ 01_Start

▶ 02_Data-Sequence Types

▶ 03_Collections-Mapping-Loopi...

▶ 04_Modules-Functions

▶ _pycache_

percipio22_importing_modul...

percipio23_defining_function...

percipio24_python_scripts_m...

percipio25_running_module_...

percipio26_command_line_ar...

▶ 05_Classes

▶ 06_Working-with-Files

▶ 07_Comprehensions

▶ 08_Iterables-and-Generators

▶ 09_Exceptions

▶ Python Projects_2014

≡ CMD_Python_Set-Path.txt

≡ Python_Basics.txt

≡ Python_Clear-Window-Command...

python_exercises_00.py

python_exercises_01.py

Python_Tutorial_Running-Scripts....

Python_Tutorials.md

percipio24_python_scripts_modules_programs.py x

```
1 #percipio24_python_scripts_modules_programs.py
2 # Percipio video: Modules and Functions; Python Scripts, Modules, and Programs
3 # Similarities and differences between a Python program, script, and module
4 # Don't forget to use "sys.path.append('C:\\Users\\path-to-modules\\')" to add the path and be able to run
  python modules
5 # Then use fileName.functionName() to call a function within Python shell (this seemed to work without
  fileName too)
6 # Use 'dir(fileName)' to see other objects within this module i.e.: ['__builtins__', '__cached__',
  '__doc__', '__file__', '__loader__', '__name__', '__package__', '__spec__', 'greet', 'nl', 'random',
  'sayings', 'test_greet']
7 nl = '\n'
8 import random # imports random module
9 sayings = ('Hello', 'Hi', 'Hey', 'Aloha') # sets a variable to a tuple of strings (tuple = immutable =
  unchanging)
10
11 def greet(): # function which returns randomly a choice from the sayings-variable tuple
12     return random.choice(sayings) #
13
14 def test_greet(): # function returning a for loop printing greet-function-tuple 8 times with end line
  printed
15     print('test_greet function run:')
16     for loop in range(8): #
17         print(greet(), end=' ') #
18     print('\ngreetings test completed') #
19
20
21 if __name__ == '__main__': # checks 'main name space', or if program has been run directly, which returns
  True & prints line.
22     print(greet(), '-> so "main name space" is True') #
23     # If this script is imported, it returns False and skips this if clause
24
25 # manually run functions, or:
26 print('greet function: ', greet())
27 # print(test_greet())
28 '''
29 RESULTS:
30 Hi -> so "main name space" is True
31 greet function: Hello
32 '''
33
```