```python
#percipio24_python_scripts_modules_programs.py
# Percipio video: Modules and Functions; Python Scripts, Modules, and Programs
# Similarities and differences between a Python program, script, and module
# Don't forget to use "sys.path.append('C:\\Users\\path-to-modules\\')" to add the path and be able to run
python modules
#  Then use fileName.functionName() to call a function within Python shell (this seemed to work without
fileName too)
# 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']
nl = '\n'
import random # imports random module
sayings = ('Hello', 'Hi', 'Hey', 'Aloha') # sets a variable to a tuple of strings  (tuple = immutable =
unchanging)

def greet(): # function which returns randomly a choice from the sayings-variable tuple
    return random.choice(sayings) #

def test_greet(): # function returning a for loop printing greet-function-tuple 8 times with end line
printed
    print('test_greet function run:')
    for loop in range(8): #
        print(greet(), end=' ') #
    print('\ngreetings test completed') #


if __name__ == '__main__': # checks 'main name space', or if program has been run directly, which returns
True & prints line.
    print(greet(), '-> so "main name space" is True') #
    # If this script is imported, it returns False and skips this if clause


# manually run functions, or:
print('greet function: ', greet())
# print(test_greet())
'''
RESULTS:
Hi -> so "main name space" is True
greet function:  Hello
'''

```