Python - Custom Functions and OS Module

Eli Etherton - August 2, 2024

Functions

- Like Apps within your script
- Reuse code Write Once
- Must be defined BEFORE they are called
- Good coders are lazy coders
- Example
- hello.py
- · function-layered.py

Function Inputs

- Sending Variable Values to a Function
- · Position Matters not the Name
- · Local vs Global Variables
- Examples
- function-input.py
- function-input-multiple.py

Function Returns • Functions can return variable values • Multiple Values Can Be Accessed Based on Index Return can be a Dictionary or List • Examples return.py • return-multiple.py return-dict.py **OS Module** Allows you to send commands and receive responses from the Operating System • This Makes Command Line Tools available in your Python Script • Different OS's use different base commands Beware of PING!!! • What About the Subprocess Module??? **OS Basic Functions** OS Module will use the appropriate command for the Operating System • os.name • os.getcwd() os.listdir() • os.mkdir('name') - os.remove('file') - os.rmdir('directory') • os.join(directory, file) Formats file path for OS • Example = os-example.py

OS - System Function	
Sends Commands to OS with No Return OS Commands are OS Papardent	
OS Commands are OS Dependentsubprocess.run() - ???Example = os-system.py	
	1
OS - popen() Function	
 Sends command to OS and receives what would be displayed on the screen. GREP is your friend! read() 	
read()readlines()Example = os-popen.py	
Try / Except	
What is an error really????	
• try: • except:	
except Exception as error:else:	
• finally:	
	J

Labs	
lab-command.pylab-up-down.pylab-dashboard.py	