



MAKE YOUR OWN TOOLS IN PYTHON



(PYTHON PROGRAMMING FOR NETWORK ENGINEERS, CYBERSECURITY & ETHICAL HACKING)

Course Name	Python Programming OFFICIAL TRAINING COURSE with LIVE Classes - Networkwalks Academy	
Duration	2 Months	
Class Timing	LIVE Classes will be online via Zoom/Webex. Instructor will explain all detail & schedule in the Introduction session again.	Certificates: Yes (Digitally Verifiable Official Certificates)
Course Contents (with Practical Labs)	Module 1 - Python Programming Fundamentals	
	Course Introduction and Summary Why Python is vital for future Networks & Cybersecurity? (Python Introduction) Python Installation & Setup with Pycharm. Python versions, Syntax & Comments Print function, Input function. Variables & Data types. If-Else conditional statements. Python Exercises-1 Loops, Functions and Classes. Libraries, modules and Packages Important modules in python (Random, RE, Getmac, REQUESTS, Nmap, Subprocess, Telnet, getpass, sys...). Exercises-2.	
	Module 2 - Create your own tools for Ethical Hacking, Cybersecurity and Network Engineers	
	Practice Lab - Create a Password Generator in Python Practice Lab - Create a Password Strength Checker in Python Practice Lab - Create an IP & MAC finder of local PC in Python Practice Lab - Create an IP Location Finder in Python Practice Lab - Create a MAC Address Changer in Python for Linux Practice Lab - Create a basic Network Mapping Tool (N-map) with single Port scan Practice Lab - Create Network Mapping Tool (N-map) with multiple ports scan (port range) Practice Lab - Create a basic Network Automation Lab for Cisco Routers Practice Lab - Create an advanced Network Automation Lab for Cisco Routers Practice Lab - Create a WiFi passwords stealer from Windows in Python	
	Module 3 - Final Exam	
	Final Exam	
	Module 4 - Optionl GUI Interface with Tkinter	
	Tkinter Library - (OPTIONAL) Practice Lab - Create Network Mapping Tool (N-map) with GUI - (OPTIONAL)	
		
	 REGISTER NOW +27-788 220 600	

Contact us today for your Cisco CCNA, Cybersecurity, IT, Linux, Python Programming & other Training: info@networkwalks.com

