



Real Training. Real Practice. Real Results.

Automation with Python

Training Program

Python is an excellent programming language that has rapidly become popular among hackers, reverse engineers, software testers, forensic analysts, and penetration testers. Python is a simple object-oriented and minimalistic language that is easy to learn for novice programmers as well as experienced developers. Most Python programs run on all major operating systems including Windows, Linux, Mac, etc.

Automation helps to increase productivity and reduce the manual iteration for the tasks that can be done with a click of a button

Automation with Python is designed specifically for beginners, i.e., for non-coders, who are curious to learn this critical scripting language for their successful career in automating Windows functions, Network tasks and security Analysis. This course provides hands-on experience using Python to develop custom scripts, Frameworks and automation tasks.

Learning Objectives

- High level overview of Python Scripting language
- Structure code with classes, functions, modules
- Automation of various modules in Windows and Linux Environments
- Custom scripting to configure and manage Cisco network elements
- Automated packet capturing and security analysis

Python





Course Features

- Live instructor-led training in modern classrooms
- Thorough review of Automation with Python
- Hands-on labs with computer hardware and software
- 100% latest material and all practice questions
- Confidence building hands-on training
- Classroom located in Reston & conveniently accessible from Silver Line Metro
- Authorized Pearson VUE testing at same location to help you complete your exam*
- Study material, notes, videos and practice questions included in course price



*Our guarantee

If you do not achieve a passing score on your first attempt at the exam within 30 days of completing the class, you will have the option to re-take the entire training course at no additional charge.



Course Schedule

Session	Topics	
1	<ul style="list-style-type: none"> • Python Overview & Course Fundamentals • Python Installation & Setup 	<ul style="list-style-type: none"> • Basic Python Commands & Functions • Lab 1: Automation with Files and Data
2	<ul style="list-style-type: none"> • Data Structures & Strings in Python • Interacting with various libraries 	<ul style="list-style-type: none"> • Lab 2: Automation of various Windows tasks
3	<ul style="list-style-type: none"> • Interacting Cisco equipment with Python • Reading and Writing configuration using Python 	<ul style="list-style-type: none"> • Lab 3: Cisco Router and Switches Configuration with Python
4	<ul style="list-style-type: none"> • Packet Capturing and Analysis with Python • Android device automation with Python 	<ul style="list-style-type: none"> • Automation with Python Selenium • Lab 4: Packet Analysis and Security Attacks with Python



Enroll

Online: www.intellectualpoint.com/student-register.php

Office: Saturday–Thursday • 9AM–5 PM
 Sunset Hills Professional Center
 11321 Sunset Hills Road
 Reston, Virginia 20190

For more information about our courses, pricing, or consultation, please call (571) 577-7890 OR (703) 554-3827

Or email info@intellectualpoint.com

Payments are accepted via cash, check, or credit card. Ask us about group discounts!