



# PYTHON PROGRAMMING FOR PENETRATION TESTERS

## COURSE OVERVIEW

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This 5-day instructor led course is designed for students with no familiarization to programming. We introduce the foundations of programming up front, making it easy to learn any programming language. We then dive into project based Python modules to help students absorb the material. Students will leave the course understanding how to create programs and applications to automate day to day functions, handle complex tasks, and solve cutting edge problems using Python 3. Throughout the course, students will create at least 12 programs, the last being Penetration Testing Automation.

## COURSE OBJECTIVES

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- Installing and running Python 3
- Python libraries
- Python Interactive Developer Environment (IDE)
- Variables
- Numbers
- Strings
- Logic and conditional flow
- Data structures
- Loops
- Functions
- Object oriented programming
- Final project