COURSE SYLLABUS

Python for Automation

Learn Python to automate data extraction from websites through web scraping. You'll write scripts using loops, conditional logic, and powerful packages, enabling you to process large amounts of data and schedule automated tasks.

Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://training-nyc.com/courses/python-automation-bootcamp



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Course Outline

Section 1

Introduction to HTML/CSS

- How a website is served
- Anatomy of a web page
- HTML tags
- IDs
- CSS classes

Python Part 1

- Integers + Floats
- Variables
- Strings
- Methods + Functions

Section 2

Webscraping Exercise Part 1

- Introduction to using packages
- Requests packages
- Performing a GET request
- String manipulation
- Debugging a Python script

Python Part 2

- Booleans
- Conditional Statements

- Lists
- Indexing into strings + lists
- Looping over lists

Section 3

Webscraping Exercises Part 2

- Beautiful Soup package
- Honing in on data
- Common webscraping pitfalls
- Using loops in webscraping

Storage and Scheduling

- Text files
- CSVs
- Scheduling a Python Script