COURSE SYLLABUS

Python for Automation

Learn Python to extract data from websites. Along the way, you'll learn how to write loops so that your web scraping code can process a large number of pages.

> Group classes in NYC and onsite training is available for this course. For more information, email corporate@nobledesktop.com or visit: https://programwithus.com/classes/python-automation-nyc

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Course Outline

Section 1

Introduction to HTML/CSS (Online)

- 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