

# 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 in NYC and onsite training is available for this course. For more information, email [corporate@nobledesktop.com](mailto: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 (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