

# 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](mailto: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

### Web scraping Exercises Part 2

- BeautifulSoup package
- Honing in on data
- Common web scraping pitfalls
- Using loops in web scraping

### Storage and Scheduling

- Text files
- CSVs
- Scheduling a Python Script