

Python for Web Development Bootcamp

Learn the fundamentals of Python code and transition into more complicated programming tasks. The class incorporates building four different types of dynamic websites from a live weather website to a live stock ticker site, and deploy your sites with a custom domain.

Group classes in NYC and onsite training is available for this course. For more information, email hello@nobledesktop.com or visit: nobledesktop.com/classes/python-web-development-courses



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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
- CSS classes

Python Part 1

- Integers + Floats
- Variables
- Strings/li>
- Methods + Functions

Section 2

Introduction to Flask

- Using Python packages
- Web frameworks
- Decorators
- Routes
- Running Flask locally
- Building a basic dynamic site
- Debugging a Python program

Python Part 2

- Booleans

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

Section 3

Flask Exercises Part 1

- Using HTML templates
- Jinja2 templating language
- Building a guess-the-number site
- Building a fortune teller site

Python Part 3

- Dictionaries
- APIs + JSON
- Requests package
- Parsing a JSON response

Section 4

Flask Exercises Part 2

- Advanced Flask features
- Building a stock price site
- Building a weather site

Deploying Your Website

- Using a Platform-as-a-Service (PaaS)
- DNS basics
- Adding a custom domain