

# Python in a Day

Get started with Python programming: data types, conditional statements, loops, functions, and object-oriented programming. Learn how Python is used for web development, data science, and more.

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-in-a-day>



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## Course Outline

### Section 1

#### Fundamentals of Python

- Python Overview + History
- Anaconda Distribution
- Jupyter Notebook + Markdown
- Data Types + Variables
- Assignment Operators
- Numbers vs. strings
- Concatenation

#### Procedural Programming

- Built in Functions
- Control Flow Statements
- Functions
- Lists
- Indexing + Slicing

### Section 2

#### Iterative Code

- Intro to looping
- For Loop
- While Loop

#### Complex Data Types

- String

- Methods
- Lists
- Tuples
- Sets
- Dictionaries

## Section 3

### Object Programming

- Intro to Object Oriented Programming
- Inheritance

### Python's Uses

- Different Environments
- Data Science with Jupyter
- Web Development with Flask