

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.

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

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