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 nyc@careercenters.com or visit: https://www.careercenters.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

Procedual 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