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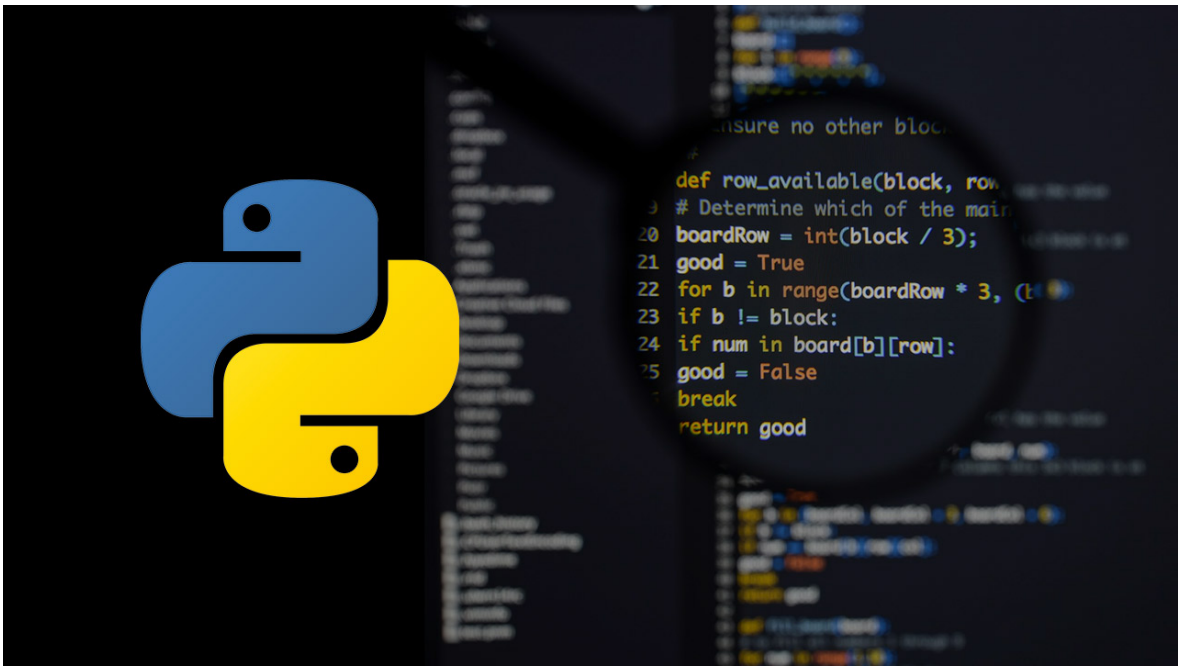
Learning Style: On Demand

Technology:

Difficulty: Beginner

Course Duration: 9 Hours

Python Part 1: Fundamentals



About this course:

Becoming an awesome programmer is a bit like building a large tower of knowledge in that solid foundations are the key to your success. Completing this course will provide you with mastery over these foundations.

Course Objective:

- You will get a clear understanding of all Python core concepts
- You will be able to write programs that interact with a user through a text terminal
- Create basic games based on guessing random number generation
- Simulate an intelligent conversation with a computer
- Write functions that take in any number of arguments

- Create program that encrypts messages
- Create a program that cracks encrypted messages

Audience:

- High School Students looking to learn programming
- Computer professionals looking to get a quick handle on python
- Teachers / Tutors looking to find an ideal learning sequence to teach Python programming
- Programming students looking to take a practical jargon free approach

Prerequisite:

- You should have Windows PC or Apple Mac with OSX
- You should install Python (from python.org)
- Have a basic understanding of mathematics (Year 8 level)

Course Outline:

Here are the course outline for the course:

- Chapter 01 - Install and Configure
- Chapter 02 - Syntax, Import, Other Topics
- Chapter 03 - Statements
- Chapter 04 - Types
- Chapter 05 - Strings, Booleans, and Files
- Chapter 06 - Lists, Tuples, Comprehensions
- Chapter 07 - Functions
- Chapter 08 - Classes

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