Complete Python Course Bootcamp from Beginners to Professional


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kwinfosys

Basic Series Overview

Detailed Discussion about the Basic Series

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Course Structure

Basic Series (15$ / HOUR)

The Basic Series of this Bootcamp will include the Basic Concepts and Fundamentals of Python Programming. Students will explore Python in detail through a deep dive inside the fundamental understanding of how things work and other major concepts related to Competitive Programming.

Basic Series Syllabus

1. Basic Concepts and Fundamentals of Python Programming
2. Loops and Conditional Statements
3. Functions
4. Lists
5. Tuples
6. Dictionaries
7. Sets
8. Arguments
9. Keyword Arguments
10. Comprehensions

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Basic Concepts and Fundamentals of Python Programming

1. Introduction to Computer Science
2. Introduction to Python Programming
3. print() function
4. Data Types
5. Variables
6. Calculations
7. String Formatting
8. Escape Sequences
9. String Indexing
10. String Slicing
11. Step Slicing
12. Input Method
13. Project 1 - Band Name Generator
14. Project 2 - Tip Calculator

Loops and Conditional Statements

1. If Statement
2. Else Statement
3. Elif Statement
4. Operators
5. Keywords
6. While Loop
7. For Loop
8. Infinite Loop
9. Project 1 - Password Protection System
10. Project 2 - Number Guessing Game
11. Project 3 - Treasure Island

Functions

1. Introduction to Functions
2. Functions with Parameters
3. Functions with a Value Return
4. Greater Function
5. Greatest Function
6. Table Generator
7. Project 1 - Palindrome Tracker
8. Fibonacci Intuition
9. Project 2 - Fibonacci Generator

Lists

1. Introduction to lists
2. List Methods and Functions
3. List with Loops
4. List with Keywords
5. Project - Hangman

Tuples

1. Introduction to Tuples
2. Tuple Methods and Functions
3. Tuple with Loops
4. Tuple with 1 Element
5. Tuple Unpacking
6. Tuple without Parantheses
7. Tuple Conversion
8. Project - Caesar Cipher

Dictionaries

1. Introduction to Dictionaries
2. Dictionary with Loops
3. Dictionary with Keywords
4. Add and Delete for Dictionaries
5. Dictionary Methods
6. Secret Auction
7. Project 1 - Calculator
8. Project 2 - Blackjack

Sets

1. Introduction to Sets
2. Set Methods and Functions
3. Set Terminologies

Arguments

1.Introduction to Arguments

2.Arguments with Normal Parameters

3.*args as Arguments

Keyword Arguments

1. Introduction to Keyword Arguments
2. Keyword Arguments with Normal Parameters
3. *kwargs as Keyword Arguments

Comprehensions

1. Introduction to Comprehensions
2. List Comprehension
3. Dictionary Comprehension
4. Set Comprehension

Coffee Machine

Final Project for Basic Series

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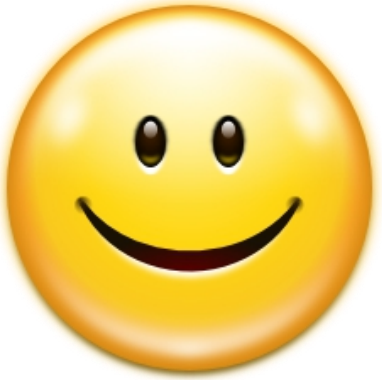
Thank You!



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