

03. Course Curriculum Overview

Friday, November 3, 2023

5:18 PM

Course Curriculum Overview List

INTRO

- Discussion on Python 2 vs Python 3
- Best way to approach this Course

SETUP

- Install Python
- Learn Environment Selection
- Learn Jupyter Notbooks System
- Learning Resources Online Info
- Git and Github Brief Overview

-----LIVE CODE PYTHON SECTION BEGAN-----

Basic

Note : End of each topic there is Quizzes! and End of each section there is Test!

- Numbers
- Strings
- Lists
- Dictionaries
- Tuples
- Files
- Sets
- Booleans

Operators

Note : End of this topic there will be Quiz.

- Basic Operators
- Chained Comparison Operators

Statements

Note : End of this topic there will be assessment Test.

- If, elif, and else
- For loops
- While loops
- range()
- List Comprehensions

Methods and Functions

Note : End of this topic there will be Homework Assignment.

- Learn what they are and how to connect them
- Lambda expressions
- Nested Statements
- Scope

First Milestone

Note : It's a Project

- Create a game

Object Oriented Programming (OOP)

Note : End of this topic there will be Homework Assignment.

- Objects
- Classes
- Methods
- Inheritance
- Special Methods

Errors and Exception First Milestone

Note : End of this topic there will be Test

- Understanding Errors
- Understanding Exceptions
- Use of try
- Use of except
- Use of finally

Second Milestone

Note : It's a Project

- Create complex game

Modules & Ecosystem

Note : It's all understanding

- Creating Modules
- Installing Modules
- Explore Python Ecosystem

Built-in Functions

Note : End of this topic there will be Homework Assignment.

- map
- reduce
- filter
- zip
- enumerate
- all and any
- Handling **complex** number

Decorators in Python

Note : This topic have 3 Part Series with Homework Assignment.

- Part 1 ?
- Part 2 ?
- Part 3 ?

Python Generator

Note : End of this topic there will be Test & Homework Assignment.

- Learn about Python Generator
- Discussions on Iteration vs Generation
- Creating Generators

Final Capstone Project

Note : It is putting everything you've learned!

-----LIVE CODE SECTION ENDS-----

ADVANCE BONUS CONTENT!

Note : New content with dozens of lecture is added regularly on this sections!

- Advanced Python Modules!
- Advanced Python Object and Data Structures!
- Level up your knowledge!
- Access community Forums!
- Dedicated help from instructor!