Python Full Course

Module 01

Introduction to Python

- Install Python on PC
- Install PyCharm IDE
- Create and Open Project in Pycharm
- VSCode for Python Programming

Module 02

Basic of Python Programming

- First Python Program
- Introducing PyCharm Line Numbers
- Variable Declaration In Python
- Variable In Details
- Data Types
- Data Type Conversion
- Python Keywords
- Python Comments

Module 03

Input and Output

- General Data Input
- Combine Text And Variable Value In A Sentence

- Mathematical Data Input And Basic Operation
- Multiple Data Input
- Output Formatting
- Sep Parameter ⬜ End Parameter

Module 04

Operator and Variable

- Arithmetic Operator
- Relational Operator
- Logical Operator
- Assignment Operator
- Id Function Of Variables
- Identity Operator
- Membership Operator
- Swap Variables

Module 05

Built-In Data Type String

- Introduction To String
- Use Of Backslash
- Indexing
- Value Access
- String Slicing
- Reverse String
- Built-In Functions For String (Part-1)
- Built-In Functions For String (Part-2)

Module 06

Built-In Data Type List to Arrange Data

- Introduction To List
- Multidimensional List And Use Of Star
- Item Access
- List Slicing
- Determine The Length Using Len() Function
- List Update
- Add New Items In List
- Add New Items In List
- Delete Items Of List
- Built-In Functions For List (Part-1)
- Built-In Functions For List (Part-2) Built-In Functions For List (Part-3)

Module 07

Protect Sensitive Data Using Tuple

- Introduction To Tuple
- Multidimensional Tuple
- Item Access
- Tuple Item Slicing
- Tuple Unpacking And Packing
- Update Tuple Items Using List
- Add New Items In Tuple
- Built-In Function For Tuple
- Convert Tuple Into List And Vice Versa

Module 08

Set

- Introduction To Set
- Is It Possible To Access Items Of The Set?
- Add New Items In Set
- Update Items Of Set
- Delete Elements From Set
- Built-In Functions Of Set

Module 09

Arrange Data Smartly Using Dictionary

- Introduction To Dictionary
- Create Dictionary In Many Ways
- Nested Dictionary
- Item Access Of Dictionary
- Add New Items And Update Dictionary
- Delete Items Of Dictionary
- Built-In Functions For Dictionary
- Use Membership Operator In Dictionary

Module 10

Conditional Logic

- Introduction To Conditional Logic
- Block And Indentation

- If Statement Program
- If Else Statement Program
- If Elif Else Statement Program
- Some Programmers On Conditional Logic
- Compare String Using casefold() Function

Module 11

Repeat Task Using While Loop

- Introduction To While Loop
- The Working Process Of While Loop
- Infinite Loop
- Multiplication Table
- Problem Solving Using While Loop
- Conditional Logic And While Else In While Loop
- Complex Program Using While Loop And Conditional Logic

Module 12

Do Your Task Smartly Using For Loop

- Introduction To For Loop
- For Loop In List
- For Loop In Dictionary
- For Loop In String
- For Loop In Set

- For Loop In Tuple
- Introduction To range() Function
- Multiplication Table
- Multiple Value Input with Type Casting
- Pattern Making (Nested For Loop)

Module 13

Loop With Control Statement

- Break Statement
- Continue Statement
- Pass Statement

Contact

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