Python Course

Learning Materials:

⇨ **Course Introduction**
- Course Goal
- Course Objects
- Class Time & Course Rules

⇨ **Let's Start**
- About Python
- Environment Setup
- And Simple "Hello Python" Program
- Let's explore "Hello Python" Program
- Finally, Let's understand "How python code works"

⇨ **Introduction**
- Statements & Comments
- Variables
- Keywords & Identifiers
- Datatypes
- Type Conversion
- I/O and Import
- Operators
- Namespaces
- Indentation

⇨ **Python Data Structure**
- List
- Tuple
- Set
- Dictionary

⇨ **Python Flow Control**
- If...else
- for Loop
- while Loop
- break and continue
- Python Pass

⇨ **Functions**
- What is Function
- Function Argument
- Anonymous Function
- Global, Local and Nonlocal
- Global Keyword
- Recursion
- Modules
- Packages

⇨ **Errors and Exceptions**
- Syntax Errors
- Exceptions
- Raising Exceptions
- Exception Chaining
- User-defined Exceptions

⇨ **Files Handling**
- File Operations
  - Create
  - Open
  - Read
  - and Write
- Directory
- Again Exceptions

⇨ **OOP Concept**
- Class & Object
- Instance Variables
- Inheritance
- Multiple Inheritance
- Operator Overloading

⇨ **Date and Time**
- Datetime Module
- datetime.strftime()
- datetime.strptime()
- Current date & time
- Get current time
- Timestamp to datetime
- Time Module
- time.sleep()

⇨ **Advanced Topics**
- Unit Testing
- Debugging & Logging
- Iterator & Generator
- Decorator
- Closure
- Property
- Regular Expression

Class Schedule:

Class Days:

- Sunday – Tuesday – Thursday

Class Time:

- 9:30 AM – 12:30 PM [3 Hours (Approximate Time)]

⇨ **APRIL**

25/04/2021	Course Introduction
26/04/2021	Let's Start
27/04/2021	Introduction
29/04/2021	Python Data Structures
30/04/2021	Python Flow Controls

⇨ **MAY**

02/05/2021	Functions
04/05/2021	
06/05/2021	Errors & Exceptions
09/05/2021	Files Handling
11/05/2021	OOP Concept
18/05/2021	
20/05/2021	Date and Time
23/05/2021	Unit Testing
25/05/2021	Debugging and Logging
27/05/2021	Iterator, Generator, Decorator, Closure & Property
30/05/2021	Regular Expression
31/05/2021	Assignment

THANK YOU