

## Why Learn Python Programming ?

For anyone looking to switch careers into the tech world through coding, Python is a great place to start.

It's relatively easy to learn and incredibly versatile, and it's used in a variety of fields, from data science and machine learning to Web design..

## Audience Profile :

- This course is intended for new and experienced programmers that want to learn how to write and troubleshoot Python code.

## Prerequisites:

- There are no such prerequisites to learn Python but having a basic knowledge of any programming language concepts like what is a loop, what if and else does, how operators are used, etc. will be helpful.
- you can learn Python without any programming experience.



## Course Overview:

- Python developer roles are in high demand, as many major companies — including DropBox, Netflix, and Facebook — use it.
- Learn Python Programming Course from Top Best Certified Instructors and Experienced Programmers, Through Hands-ON Project Based Training.
- Python is for both small and complex tasks, and it is used across many different industries and applications in data science and software engineering, mobile app development, artificial intelligence, and machine learning.
- This course introduces the basics of Python, including conditional execution and iteration as control structures, and strings and lists as data structures.
- This course teaches you to fetch and process data using Python list comprehensions and provides opportunities to practice extracting from and processing deeply nested data.
- The Python Programming course is well-suited for you if you have already taken the Python Basics and Functions, Files, and Dictionaries topics.
- This Python course introduces the dictionary data structure and user-defined functions in Python.

## Python Programming Outline:

- History of Python
- Interpreter vs. Compiler
- Python Identifiers & Reserved Words
- Lines and Indentation
- Multi-Line Statements
- Quotation & Comments
- Python Variables
- Python Numbers
- Python Strings
- Python Lists
- Python Tuples
- Python Dictionary
- Python Set
- Data Type Conversion
- Arithmetic Operators
- Comparison Operators
- Bitwise Operators
- Assignment Operators
- Logical Operators
- Membership Operators
- Identity Operators
- Operators Precedence
- Decision making Definition
- IF Statement
- IF and ELSE Statements
- IF, ELIF and ELSE Statements
- Nested IF Statements
- Single Statement Suites
- Loop Definition
- While Loop Statements
- Else with While Loop
- For Loop Statements
- Else with For Loop
- Nested Loops
- Loop Control Statements
- Function Definition
- Calling a Function
- Return Statement
- Passing by Reference & Value
- Function Arguments
- Anonymous Function
- Inner Functions
- Global & Local Variables
- Operator Overloading
- Input/Output Operators Overloading
- Arithmetic Operators Overloading
- Binary Operators Overloading
- Assignment Operators Overloading
- Function Overloading

## Training Solutions:

✓ Offline Classroom Instructor-Led Training in our labs or onsite Locations.

✓ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

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