

Python All in One

Module 1: Course Overview

Module 2: Python Introduction

- What is Programming Language
- What are History
- Why should we learn Python
- Python Interpreter
- How to Install Python
- How to Install IDE and its Overview
- First Python program

Module 3: Python Basics

- Python Basic Data types
- Python Operators

Module 4: Python Basics – II

- Variables
- List
- String
- Tuple
- Dictionary
- Set

Module 5: Python Statements

- IF Condition
- ELSE Condition
- ELIF Condition
- For Loop
- While Loop
- Pass Statement
- Break Statement

- Continue Statement

Module 6: Python Functions

- How to Create Function
- How to Call Function

Module 7: Python OOps Concept

- Class
- Object
- Encapsulation
- Abstraction
- Inheritance
- Polymorphism

Module 8: Introduction

- What is Python and History
- Which is Best IDE for Python and IDE Setup
- How to Install Packages

Module 9: Advance Concepts

- Python Comprehension
- Python Decorators
- Python Generators
- Regular Expression

Module 10: Python Packages and Libraries

- Numpy
- Pandas
- Matplotlib
- Seaborn
- Scikit- learn

Module 11: Conclusion

Module 12: Project