

Python Training

I. Core Python

II. Advance Python.

Core Python

Introduction

- ✓ *Working with Python*
- ✓ *Basic Syntax*
- ✓ *Variable and Data Types*
- ✓ *Operator*

Conditional Statements

- ✓ *If*
- ✓ *If- else*
- ✓ *Nested if-else*

Looping

- ✓ *For*
- ✓ *While*
- ✓ *Nested loops*

Control Statements

- ✓ *Break*
- ✓ *Continue*
- ✓ *Pass*

String Manipulation

- ✓ *Accessing Strings*

- ✓ *Basic Operations*
- ✓ *String slices*
- ✓ *Function and Methods*

Lists

- ✓ *Introduction*
- ✓ *Accessing list*
- ✓ *Operations*
- ✓ *Working with lists*
- ✓ *Function and Methods*

Tuple

- ✓ *Introduction*
- ✓ *Accessing tuples*
- ✓ *Operations*
- ✓ *Working*
- ✓ *Functions and Methods*

Dictionaries

- ✓ *Introduction*
- ✓ *Accessing values in dictionaries*
- ✓ *Working with dictionaries*
- ✓ *Properties*
- ✓ *Functions*

Functions

- ✓ *Defining a function*
- ✓ *Calling a function*
- ✓ *Types of functions*
- ✓ *Function Arguments*
- ✓ *Anonymous functions*
- ✓ *Global and local variables*

Modules

- ✓ *Importing module*
- ✓ *Math module*
- ✓ *Random module*
- ✓ *Packages*
- ✓ *Composition*

Input-Output

- ✓ *Printing on screen*
- ✓ *Reading data from keyboard*
- ✓ *Opening and closing file*
- ✓ *Reading and writing files*
- ✓ *Functions*

Exception Handling

- ✓ *Exception*
- ✓ *Exception Handling*
- ✓ *Except clause*
- ✓ *Try ? finally clause*
- ✓ *User Defined Exceptions*

Advance Python

OOPs concept

- ✓ *Class and object*
- ✓ *Attributes*
- ✓ *Inheritance*
- ✓ *Overloading*
- ✓ *Overriding*
- ✓ *Data hiding*

Regular expressions

- ✓ *Match function*
- ✓ *Search function*
- ✓ *Matching VS Searching*
- ✓ *Modifiers*
- ✓ *Patterns*

CGI

- ✓ *Introduction*
- ✓ *Architecture*
- ✓ *CGI environment variable*
- ✓ *GET and POST methods*
- ✓ *Cookies*
- ✓ *File upload*

Database

- ✓ *Introduction*
- ✓ *Connections*
- ✓ *Executing queries*
- ✓ *Transactions*
- ✓ *Handling error*

Networking

- ✓ *Socket*
- ✓ *Socket Module*
- ✓ *Methods*
- ✓ *Client and server*
- ✓ *Internet modules*

Multithreading

- ✓ *Thread*
- ✓ *Starting a thread*

- ✓ *Threading module*
- ✓ *Synchronizing threads*
- ✓ *Multithreaded Priority Queue*

GUI Programming

- ✓ *Introduction*
- ✓ *Tkinter programming*
- ✓ *Tkinter widgets*

