



Who we are?

Python Course Overview

Python Course Training Approach

Prerequisites for the Python Course

Target Audience for Python Course

Course Modules

Assignments and Sample Projects

Python Training

Who we are?

Techeduxon has been a platform for global online technology education since 2015. We are now taking it up a notch higher by introducing ways of advanced learning to up-skill and cross-skill your profession with cutting-edge, customized programs. With our Top Tier IT & Enterprise training Courses, We enable you to the forefront & become 'Industry Ready' in this Advancing & Unforeseen Digital World with your upskill Innovations.

Course Outline

Introduction to Python

Started with Python

Python Language Basics

Functions & Collections

Data Operations

Conditional Statement

Error Handling & Exceptions

File Handling

Python NumPy

File Operations

Flow Control

Course Content

Introduction to Python

- Introduction to Python
- What is Python Language?
- Why Python using?

Started with Python

- Variables
- String Types
- String Operations & String Expressions
- Math Operations & Math Expressions
- Command Line Parameters

Python Languages

- Dynamic Vs Static
- Strong Vs Weak Typing
- Numbers, Strings, Unicode
- Complex Types
- Operator Overloading
- Variables
- Scoping & Expressions

Functions & Collections

- Introduction to Functions
- Common Syntax
- Default Values
- Returning and receiving multiple values
- Args, Kwargs
- Scope revisited
- Introductions to Collections
- Types of Primitive and Composite
- Lists, Tuples, Maps, Sets, Enums
- Looping Techniques

Data Operations

- Introduction to Data Operations
- Data Type Conversion
- Arithmetic Operations
- Comparison Operations
- Assignment Operations

- Bitwise Operations
- String Operations
- List Operations
- Tuple Operations
- Set Methods

Conditional Statement

- Introduction to Conditional Statement
- Expressions
- For Loop
- While Loop

Error Handling & Exceptions

- Syntax Errors
- Exceptions
- Exceptions Handling
- Exception Raising
- Exception Changing
- User-defined Exceptions
- Defining Clean up Actions
- Predefining Clean up Actions

File Handling

- Introduction to File Handling
- Python File Handling
- Read Files
- Write & Create Files
- Delete Files

Python NumPy

- Introduction to Python NumPy
- Creating Arrays
- Array Indexing
- Data Types
- Copy Vs View
- Array Reshape
- Array iterating
- Array Join
- Array Split
- Array Search
- Array Sort
- Array Filter
- Array random

File Operations

- Introduction
- Open a File
- Read Or Write File
- Close the File

Flow Control

- Introduction to Flow Control
- Indenting is Significant
- If and else Statement
- Loop & While Loop
- For statement
- range Function

Projects & Assignments

Our Expert trainers will provide the real time Projects & Assignments.

