Python Professional Training

Introduction to Python and Language Fundamentals

- Overview of Python Features
- Getting and Installing Python
- Accessing Python Documentation: Python Enhancement
- IDEs
- Using Whitespace to Structure Programs
- Python Comments
- Identifiers and Keywords
- Values and Types
- Creating and Using Variables
- Unary and Binary Arithmetic Operations
- Comparison and Boolean Operations
- Conditional Expressions
- Lambda Expressions
- Order of Operations and Operator Evaluation
- Live Examples

Flow Control Constructs and String Object

- if/elif/else Statements
- Creating Loops with while and for
- Understanding Iterators
- Returning Values with return Statements
- Loop Modification with break and continue
- Returning Generator Iterators with the yield Statement
- Retrieving Iterators with next()
- Live Examples
- Assignments for weekends
- Quotation Marks and Special Characters
- Using ASCII and Unicode Strings
- Manipulating Strings with String Methods
- Using the format() Function to Format Strings
- Using Escape Sequences
- Working with Raw Strings
- Live Examples