



Course: Python Programming

Duration: 50 Hours

Course Content:

Session 1: Python: An Introduction

Session 2: Creating Your First Program in Python

Session 3: Data Types: Classifying Data in Python

Session 4: Implementing Input and Output Operations

Session 5: Operators: Performing Logical and Mathematical Operations

Session 6: Statements: Controlling the Flow of Program

Session 7: Strings: A Sequence of Characters

Session 8: Arrays: Arranging Similar Objects Systematically

Session 9: Implementing Functions in Python

Session 10: Lists and Tuples: Managing Data Systematically

Session 11: Dictionaries and Other Data Structures

Session 12: Recursion and Algorithms in Python

Session 13: Implementing OOPs Concepts, Classes and Objects

Session 14: Implementing Inheritance in Python

Session 15: Implementing Polymorphism in Python

Session 16: Interfaces and Abstraction in Python

Session 17: Creating a GUI Using Python

Session 18: Handling Files I/O

Session 19: Connecting to a Database in Python

Session 20: Handling Errors and Exceptions

Session 21: Regular Expressions

Session 22: Interacting with Networks

Session 23: Handling Concurrency Using Threads

Session 24: Handling Numbers, Dates and Time