Python

Lesson 00 Course Overview

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Course Goals and Non Goals

- Course Goals
  - To understand Python as a scripting language

- Course Non Goals
  - Advanced Concepts like Network modules

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Pre-requisites

- Good knowledge of Computer Programming
- Fair knowledge of any of the programming language is a plus
- Fair knowledge of Object Oriented programming

Intended Audience

- Beginners
- Software Developers

Day Wise Schedule

- **Day 1**
  - Lesson 1: Introduction to Python
  - Lesson 2: Data types, Data structures and Control Structures
  - Lesson 3: Functions, Modules & Packages

- **Day 2**
  - Lesson 3: Functions, Modules & Packages..contd.
  - Lesson 4: File Handling
  - Lesson 5: Classes & Objects
  - Lesson 6: Exception Handling & Regular Expressions
  - Lesson 7: Database Connectivity

Day Wise Schedule

- **Day 3**
  - Lesson 8: Unit Testing
  - Lesson 9: Work with Word, Excel and XML files
  - Lesson 10: Web programming
  - Lesson 11: Python – Web Dev framework
  - Lesson 12: Case study

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- **Lesson 4: File Handling**
  - 4.1. File and Directory Handling

- **Lesson 5: Classes & Objects**
  - 5.1. Classes & Objects

- **Lesson 6: Exception Handling**
  - 6.1. Exception Handling
  - 6.2. Regular Expressions

- **Lesson 7: Database Connectivity**
  - 7.1. Database Connectivity

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Next Step Courses (if applicable)

- **Advanced Python concepts like Network Modules**