

Content:

Chapter 1: Python Basics

- Blocks and indentation
- Doc strings
- Comments
- Variables,
- Expressions
- Statements
- Operators
- Datatype.
 - Numeric types
 - Tuples and lists
 - Sets
 - Dictionaries
 - Strings
 - None Type
 - Boolean Type
- User Input
- Mutable vs immutable

Chapter 2: Flow Control

- if statement
- if else statement
- if elif statement
- if elif else statement
- for loop
- while loop
- break statements
- continue statements
- Exceptions

Chapter 3: Functions

- Functions in Python
- Keyword Arguments
- Variable Number of Arguments
- Multiple Return Values
- Scope
- Recursion
- Lambdas
- Generators
- Decorators
- Doc strings for functions
- Built-in functions
- Math functions

Chapter 4: Lists

Chapter 5: Dictionaries and Sets

Chapter 6: Manipulating Strings

Chapter 7: Regular Expressions

Chapter 8: Reading and Writing Files

Chapter 9: Working with Excel Spreadsheets

Chapter 10: Working with PDF and Word Documents

Chapter 11: Working with CSV Files and JSON Data

Chapter 12: Advance Python Concept

Project # 1: YouTube Video Downloader

Project # 2: Mail Automation

Project # 3: Tic Tac Toy Game

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