

Python 3 Part 1: Fundamentals

Course Overview

This course will teach students about installing and configuring Python, syntax, importing, statements, types, strings, booleans, files, lists, tuples, comprehensions, functions, and classes.

Chapter 01 - Install and Configure

1h 33m

Topic A: Installing Python - Part 1
Installing Python - Part 2
Installing Python - Part 3
Topic B: Python Documentation - Part 1
Python Documentation - Part 2
Python Documentation - Part 3
Topic C: Command Line - Part 1
Command Line - Part 2
Command Line - Part 3
Topic D: Variables - Part 1
Variables - Part 2
Variables - Part 3

Chapter 02 - Syntax, Import, Other Topics

1h 13m

Topic A: Simple Python Syntax - Part 1
Simple Python Syntax - Part 2
Simple Python Syntax - Part 3
Topic B: Keywords - Part 1
Keywords - Part 2
Keywords - Part 3
Topic C: Import Module - Part 1
Import Module - Part 2
Import Module - Part 3
Topic D: Additional Topics - Part 1
Additional Topics - Part 2
Additional Topics - Part 3

Chapter 03 - Statements

1h 34m

Topic A: If, Elif, Else - Part 1
If, Elif, Else - Part 2
If, Elif, Else - Part 3
Topic B: For - Part 1
For - Part 2
For - Part 3
Topic C: Loops - Part 1
Loops - Part 2
Loops - Part 3

Topic D: Execute - Part 1
Execute - Part 2
Execute - Part 3
Topic E: Iterable - Part 1
Iterable - Part 2
Iterable - Part 3
Topic F: Exceptions - Part 1
Exceptions - Part 2
Exceptions - Part 3

Chapter 04 - Types

1h 6m

Topic A: Data Types - Part 1
Data Types - Part 2
Data Types - Part 3
Topic B: Number Types - Part 1
Number Types - Part 2
Number Types - Part 3
Topic C: More Number Types - Part 1
More Number Types - Part 2
More Number Types - Part 3

Chapter 05 - Strings, Booleans, and Files

45m

Topic A: Strings - Part 1
Strings - Part 2
Strings - Part 3
Topic B: More Strings - Part 1
More Strings - Part 2
More Strings - Part 3
Topic C: Booleans - Part 1
Booleans - Part 2
Booleans - Part 3
Topic D: Files - Part 1
Files - Part 2
Files - Part 3

Chapter 06 - Lists, Tuples, Comprehensions

45m

Topic A: Lists - Part 1
Lists - Part 2
Lists - Part 3
Topic B: Dictionaries - Part 1
Dictionaries - Part 2
Dictionaries - Part 3
Topic C: Tuples - Part 1
Tuples - Part 2
Tuples - Part 3
Topic D: Sets - Part 1
Sets - Part 2
Sets - Part 3
Topic E: Comprehensions - Part 1
Comprehensions - Part 2
Comprehensions - Part 3

Chapter 07 - Functions

1h 7m

Topic A: Definitions - Part 1
Definitions - Part 2
Definitions - Part 3
Topic B: Functions - Part 1
Functions - Part 2
Functions - Part 3
Topic C: Default Arguments - Part 1
Default Arguments - Part 2
Default Arguments - Part 3
Topic D: Doc Strings - Part 1
Doc Strings - Part 2
Doc Strings - Part 3
Topic E: Variadic Functions - Part 1
Variadic Functions - Part 2
Variadic Functions - Part 3
Topic F: Factorial - Part 1
Factorial - Part 2
Factorial - Part 3
Topic G: Function Objects - Part 1
Function Objects - Part 2
Function Objects - Part 3
Topic H: Lambda - Part 1
Lambda - Part 2
Lambda - Part 3
Topic I: Generators - Part 1
Generators - Part 2
Generators - Part 3
Topic J: Closures - Part 1
Closures - Part 2
Closures - Part 3

Chapter 08 - Classes

38m

Topic A: Classes - Part 1
Classes - Part 2
Classes - Part 3
Topic B: Object Initialization - Part 1
Object Initialization - Part 2
Object Initialization - Part 3
Topic C: Class Static Members - Part 1
Class Static Members - Part 2
Class Static Members - Part 3
Topic D: Classic Inheritance - Part 1
Classic Inheritance - Part 2
Classic Inheritance - Part 3
Topic E: Data Hiding - Part 1
Data Hiding - Part 2
Data Hiding - Part 3

Total Duration: 8h 41m