Introduction to Python Course

Create your first Python script

Python Syntax

Types and assignment
Calculations, operations
Comments in python
Inputs / outputs
Pass, while, for statements
Range function
Strings
Functions and predefined functions
Files-open a file
Files-Read / Write a file

Practical workshop: Multiple examples

Error handling / Exception

Know the errors
Lift exceptions
Management with try / except

Master the data structures

The lists
The dictionaries
The tuples
Use slices
The enumerate () function
The items () method

Practical Workshop: List as Stack, List as Queue

Modules and Packages

Standard modules
Creating a module
Import a module
Create a Package
Create an executable file

Practical workshop: Writing and testing a module

The basics of the object in Python

Create a first class encapsulation Special methods Function with variable arguments Errors and Exceptions

Hands-on workshop: creating classes and getting in touch

Database

Install a driver
Insert, delete, modify data in database

Practical Workshop: Application with SQLite

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