

# Python Course | Continuing Education | Classes in Montreal, Quebec

## **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