Formation Python - Fundamentals in Geneva, Zurich, Huston, San-Antonio, Dallas, Los Angeles, San Diego, New York, Washington, Chicago, San Francisco and anywhere in Switzerland, USA, Great Britain and Germany.

ID : 1113

Goal : Understand the basic principles of Python language for use in a scientific or research and development context.

Audience : Any programmer without knowledge of this language.

Prerequisites : Knowledge of the basic principles of programming (algorithmic). Ideally, practice a 3rd or 4th generation programming language (C, C ++, C #, Java, Pascal, Delphi, etc.). The

participant should also have the ability to mentally represent simple and complex mechanisms and processes.

Goals :

- Introduction
- Reminders about the logic of learning a language
- Overview of the different IDEs/OS and their advantages/disadvantages
- Python vs Other languages (C++, M, R, Julia, etc.)
- Typical problems of community languages
- Understand the basics of Python
- Best practices and norms
- Installation and configuration of the Framework, IDEs and libraries
- Understand and manipulate Python virtual environments
- Command interpreter (ipython shell)
- Variables and types
- Numbers and arithmetic operations
- Booleans and Boolean operators
- Strings
- Loops and conditions
- Lists and Tulps
- Dictionaries
- Sets
- Manipulating dates and time
- Conditions and Loops (while/for)
- ...

Pedagogical method : The documentation provided is used as a reference throughout all the training. The trainer shows on a projection screen the different topics covered. Depending on the learners' levels and questions, some points are more or less applied in depth, so that each learner can leave the course with sufficient knowledge to write or read a simple python script.

Suggested duration for presentiel training (days) : 6
Suggested duration for on-line training (days) : 7.2

Daily price in face-to-face : 800 CHF
Daily price in remote : 384 CHF
Daily price in remote for students : [contact](#) us (only if student card!)
Daily price in remote (with recording) : 4000 CHF
Prices are per day per trainee without course material, without certificate, without evaluation, without exam, without training room or computer (these are each optional and must be requested in addition in the contact form for the establishment of the quote).

Book

- **Title :** *Learning Python: Powerful Object-Oriented Programming*
- **Author(s) :** *Mark Lutz*
- **Pages :** *1645*
- **ISBN :** *9781449355739*

Tags : python training, python course, python language, python programming, cours python, variables, compilation, functions, lists, tuples, sets, dictionnaries, polymorphism, heritage, classes, objects, methods.

Please enable JavaScript to view the [comments powered by Disqus.](#)