Training: Python Academy
Advanced Python

TRAINING GOALS:

The **Python** programming language is relatively easy to learn and allows to solve real-world problem with a just a few concepts.

But it also offers several advanced features that can help to greatly improve the programming experience. The latest releases of Python 2.x and 3.x add interesting features that can be used passively without deeper understanding about how they work.

CONSPECT:

- Comprehensions
- Iterators and generators
- Decorators
- Contextlib
- Descriptors
- Metaclasses
- Conventions
    - wrapping instead of inheritance
    - dependency injections
    - factories
    - duck typing
    - monkey patching
    - callbacks
- Patterns
    - Singelton
    - Null Objects
    - Proxy
    - Observer
    - Constructor
- Good style

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REQUIREMENTS:

- This course targets medium level **Python** programmers who would like to dive deeper into the language.
- Alternatively, participants can attend the course **Python for Programmers** to be able to take full advantage of this advanced course.

Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Python Academy.

TRAINER:

Authorized Python Academy Trainer.

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