Training: Python Academy
Introduction to Django

TRAINING GOALS:

This course is for beginners as well as for programmers who already have some experience with **Django**.

After an introduction of the basics of the web application framework Django, all participants will install Django themselves. Then we start developing a first, simple application.

CONSPECT:

- Use of software development tools with Python and Django
- Database abstraction (Object Relational Mapper):
  - Creation of a model
  - Export and import of data (via JSON)
  - Working with an ORM on the commandline
- Write simple and generic views
- Create templates
- Debugging
- Defining URLs at one place (Routing)
- Forms and their validation
- Session administration
- Authentification
- Write your own middleware
- Create your own tags and filters
- Functional and unit test
- Internationalisation

REQUIREMENTS:

- Experience in an **object-oriented programming** language is required.
- **Python** knowledge is ideal but not mandatory to get started.
- In addition, you should have basic knowledge in web application development with databases.

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Difficulty level



CERTIFICATE:

The participants will obtain certificates signed by Python Academy.

TRAINER:

Authorized Python Academy Trainer.

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