

## Python for Beginners 1 (PYFUN1)

**ID** PYFUN1 **Price** CHF 2,190.—(excl. VAT) **Duration** 3 days

### Who should attend

IT affine people who are looking for an introduction to programming.

### Prerequisites

Basic PC knowledge

### Course Objectives

You can independently develop and maintain simple scripts.

### Course Content

#### 1. What is Python?

#### 2. Python Introduction

- Python history
- Why Python
- Coding in Python
- Download environment

#### 3. First Steps in Python

- Python Shell
  - Python Structure
  - Print Function
  - Variables
  - Operators
  - Inputs

#### 4. Data Types

- integers, string, booleans,
- typecasting
- data structure lists, tuples, sets, dictionaries

#### 5. Control Flow

- Conditional statements (if, cases)
- Loops (for, while, break,..)

#### 6. Functions

- Defining, parameters.
- Built in functions(modules) Math, random,date and time, enum

#### 7. Data structures

- lists,tuple, dictionaries sets,
- basic op: slicing,adding, removing, iterating.

#### 8. Error handling

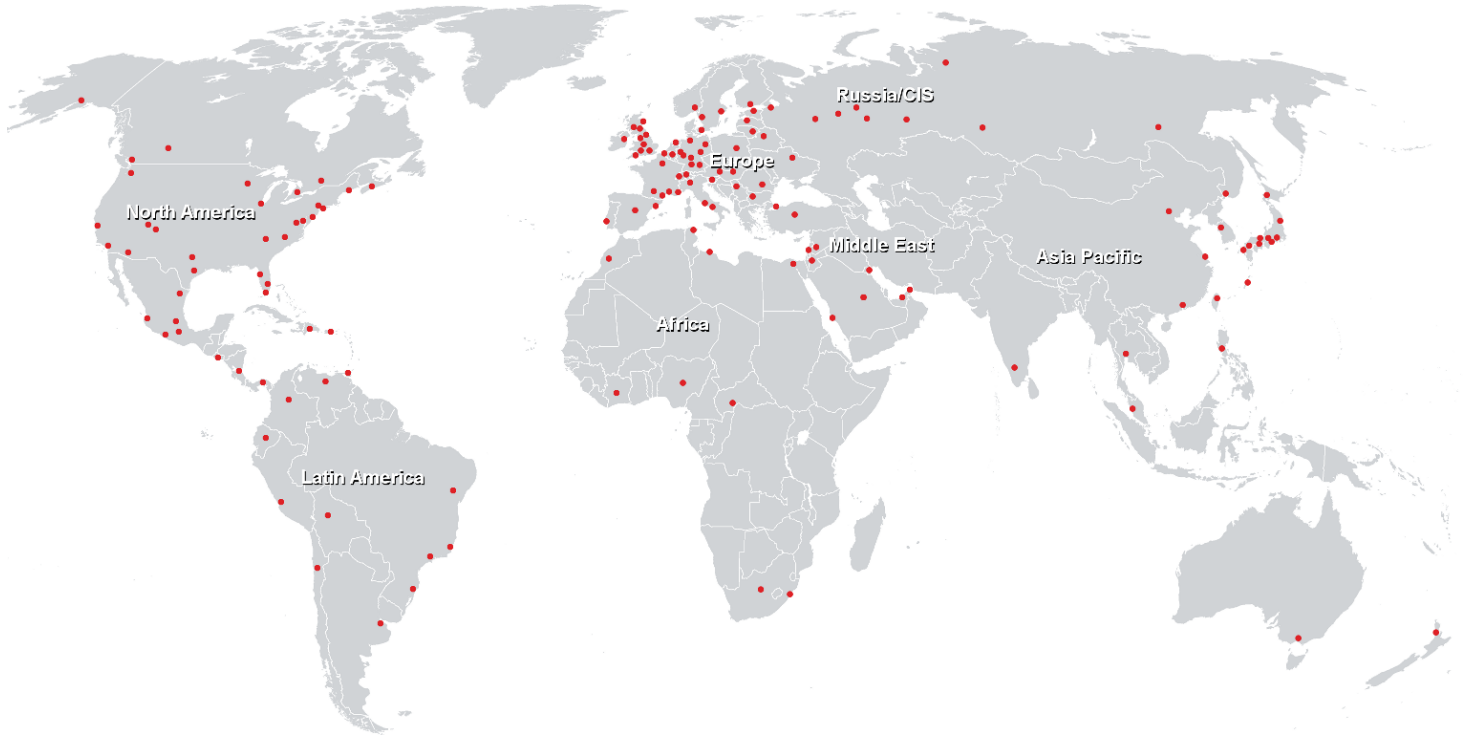
- Types of errors
- Debugging
- Error handling and exceptions
- Using AI

#### 9. Final project

# Python for Beginners 1 (PYFUN1)

---

## Training Centres worldwide



### Fast Lane Institute for Knowledge Transfer (Switzerland) AG

Husacherstrasse 3  
CH-8304 Wallisellen  
Tel. +41 44 832 50 80

[info@flane.ch](mailto:info@flane.ch), <https://www.flane.ch>