

Python for Programmers

Learn via: **Classroom / Virtual Classroom / Online**

Duration: **4 Day**

Overview

The participants can follow all steps directly on their computers. There are exercises at the end of each unit providing ample opportunity to apply the freshly learned knowledge.

Every participant receives comprehensive PDF that cover the whole course content as wells as all source codes and used software.

Prerequisites

A basic understanding of programming is required. Terms such as variable, data type or loop should be familiar.

Who Should Attend

This course is designed for participants with (some) programming experience. Even if you haven't written code in Java, C #, or even Basic or FORTRAN for several years, this course is for you.

If you already took the course Python for Non-Programmers this course will be the logical next step.

What You Will Learn

Python in comparison with other languages

Python syntax

Statements and expressions

Control flow

Loops

Data types

Sequences

Dictionaries and sets

Functions

Generators and iterators

Classes

Exception handling

Input / output

Complex example

Modules and Packages

Namespaces and scoping

Text processing

System functions

In addition to this systematic overview, the training uses a complex example that contains all important parts of a Python program. This example showcases several best practices for efficient Python programming. Participants will learn how to read and understand Python code written by other programmers.

Outline

The course covers all basics of Python programming including:

Participants will learn how to read and understand Python code written by other programmers.