Overview

About This Course

No previous knowledge.

Audience Profile

For people that want an introduction to the software programming industry.

At Course Completion

At the end of the course the participants will know all Python basics.

Course outline

Module 1: An Introduction to Python

- What can Python do?
- Why Python?
- Good to know
- Python Syntax compared to other programming languages
- Python Install

Module 2: Beginning Python Basics

- The print statement
- Comments
- Python Data Structures & Data Types
- String Operations in Python
- Simple Input & Output
- Simple Output Formatting
- Operators in python

Module 3: Python Program Flow

- Indentation
- The If statement and its' related statement
- An example with if and it's related statement
- The while loop
- The for loop
- The range statement
- Break &Continue
- Assert
- Examples for looping

Module 4: Functions& Modules

- Create your own functions
- Functions Parameters
- Variable Arguments
- Scope of a Function
- Function Documentations
- Lambda Functions& map
- n Exercise with functions
- Create a Module

- Standard Modules

Module 5: Exceptions Handling
- Errors
- Exception handling with try
- handling Multiple Exceptions
- Writing your own Exception

Module 6: File Handling
- File handling Modes
- Reading Files
- Writing& Appending to Files
- Handling File Exceptions
- The with statement