

Syllabus

Python Fundamentals



CVBERIUM ARENA
-SIMULATOR-

Description

Any person wanting to automate stages and create cyber-tools must learn to program. Python is an easy language used by many to build tools in different fields, including cyber. This training will provide the student with a stepping-stone on understanding programming logic and creating basic scripts to take his skills to the next level.

Target Audience

The course targets participants with basic computer knowledge wanting to get into the programming world.

Objectives

- Getting to know Python variables
 - Building basic Python code
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Module 1: Introduction to Python

During this module, students will be introduced to the world of Python. Students will learn to install Python and its additional modules.

Introduction

- Installing of Python
- Variables and Booleans
- Dictionaries and Tuples

Module 2: Conditions and Functions

Students will learn to work with conditions during this module and create a dynamic code that will operate accordingly.

Conditions

- Conditional Statements
- While and For Loops
- Scoping and Subroutines

Functions

- Working with Functions
- External Functions
- Exceptions

Module 3: Files I/O

Using files, using both reading and writing is an important capability in any programming language.

Python Scripting Reading

- Files Extracting Data
- Writing into Files