

## First steps with Python (Part 1)

*Monday, September 16, 2024 10:30 AM (6 hours)*

During the first day of this workshop, you will deal with the following aspects:

- **Setting up a Python project:** You learn how a basic project is set up and explore two approaches to Python programming: using the REPL and writing Python files.
- **Importing:** Since projects often get distributed over multiple files or require code from other sources, we will investigate how to import code from other files or libraries.
- **Variables, Assignments, and Data Types:** Get to know the basic constructs for storing and manipulating information in a program. Understand what data types are and how they influence how information is processed.
- **Conditionals:** It is often necessary to check conditions and act accordingly. This section will cover expressing those conditions and how to control in which order they get checked and how to react to them.
- **While - Loops:** Loops are a good choice when it comes to repeating actions. In this section, the “while”-loop will be introduced as a method of repeating code based on condition.

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**Session Classification:** Course 13 (HIFIS)