

# **First Steps in Python**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome and Organization

*Thursday 24 August 2023 09:00 (30 minutes)*

A short introduction to the course, its proceedings and contents.

Contribution ID: 2

Type: **not specified**

## Writing your first Program

*Thursday 24 August 2023 09:30 (10 minutes)*

Get to know your tools and how to use them to develop a program.

**Session Classification:** Day 1

Contribution ID: 3

Type: **not specified**

# Variables and Data Types

*Thursday 24 August 2023 09:40 (50 minutes)*

How a computer stores information and what these bits and bytes mean?

**Session Classification:** Day 1

Contribution ID: 4

Type: **not specified**

## Conditionals

*Thursday 24 August 2023 11:00 (30 minutes)*

How to represent a condition, check its truth value and execute different instructions accordingly.

**Session Classification:** Day 1

Contribution ID: 5

Type: **not specified**

## Loops

*Thursday 24 August 2023 11:30 (20 minutes)*

Repeating instructions either based on a condition or for each element in a collection of data.

**Session Classification:** Day 1

Contribution ID: 6

Type: **not specified**

## Practise Session

*Thursday 24 August 2023 12:50 (4h 10m)*

Applying the learned content to chosen exercise problems.

**Session Classification:** Day 1

Contribution ID: 7

Type: **not specified**

## Functions

*Friday 25 August 2023 09:00 (1h 30m)*

Splitting a program into re-usable building blocks.

**Session Classification:** Day 2



Contribution ID: 8

Type: **not specified**

## Lists and Tuples

*Friday 25 August 2023 11:00 (30 minutes)*

Using collection data types to store multiple values together.

**Session Classification:** Day 2

Contribution ID: 9

Type: **not specified**

## Modules and Importing

*Friday 25 August 2023 12:00 (30 minutes)*

Sub-divide a program into several sub-components and re-use already existing program parts.

**Session Classification:** Day 2

Contribution ID: **10**

Type: **not specified**

## Practise Session

*Friday 25 August 2023 13:30 (3h 30m)*

Try your hand on more complex problems.

**Session Classification:** Day 2

Contribution ID: **11**

Type: **not specified**

## Inexes and Ranges

*Friday 25 August 2023 11:30 (30 minutes)*

How to access elements in a collection?

**Session Classification:** Day 2