

Introduction to Programming in Python

Module 2: Data Types & Operations

Course responsible

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Co-lecturer

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Course References & Material

- Webpages of the course:
 - ★ <https://bit.ly/Intro2Python1920SSSA>
 - ▶ Slides and examples from the lectures, further materials and links
 - ★ <https://repl.it/student/classrooms/186198>
 - ▶ Weekly coding assignments
- Suggested book: M. Lutz, Learning Python.
- Well-done tutorial: <https://docs.python.org/3/tutorial/>
- Software
 - ★ Python: <https://www.python.org/>
 - ★ Suggested Python editor: JupyterLab <https://jupyter.org/>
 - ★ Setup your machine: <https://bit.ly/Intro2Python1920SSSA-setup>

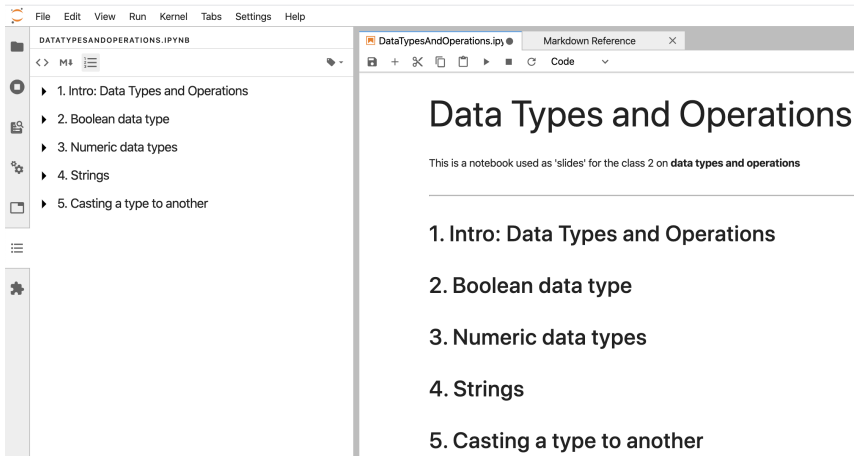
Tentative Lecture Plan

#	Date	Time	Topic
1	16/04	17:30-19:30	Course introduction
2	20/04	15:00-18:00	Data types & operations
3	27/04	15:00-18:00	Collections
-	04/05	-	<i>Break</i>
4	11/05	15:00-18:00	Control and Repetition structures
-	18/05	-	<i>Break</i>
5	25/05	15:00-18:00	Functions
6	01/06	15:00-18:00	Exceptions and OOP
7	08/06	15:00-18:00	Basic data manipulation & visualization
-	TBD	TBD	Exam

Outline

- ➊ Arithmetic Data Types
- ➋ Booleans & characters
- ➌ Strings
- ➍ Casts

Continue on Jupyter



The screenshot displays the Jupyter Notebook interface. On the left, a sidebar shows the file explorer with a table of contents for 'DATATYPESANDOPERATIONS.IPYNB':

- ▶ 1. Intro: Data Types and Operations
- ▶ 2. Boolean data type
- ▶ 3. Numeric data types
- ▶ 4. Strings
- ▶ 5. Casting a type to another

The main area shows the first slide of the presentation, titled 'Data Types and Operations'. The slide content is as follows:

This is a notebook used as 'slides' for the class 2 on **data types and operations**

1. Intro: Data Types and Operations
2. Boolean data type
3. Numeric data types
4. Strings
5. Casting a type to another

<https://bit.ly/Intro2Python1920SSSA-slides-code>