

PAOLO PERROTTA

B3844 - PYTHON FOR BUSINESS LAB

2024/25

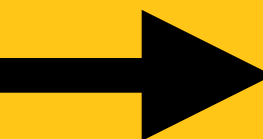
DAY 2



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

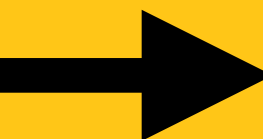
LAST TIME...

- **Public Service Announcements**
- **A general introduction**
- **Notebooks and other ways to run Python**
- **Module 1: Numeric Types**
- **Module 2: Strings**



THE PLAN FOR TODAY

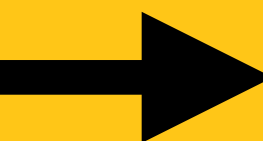
- **Module 3: Variables and Assignment**
- **Module 4: Types and Conversions**
- **Module 5: Calling Functions**



3. VARIABLES AND ASSIGNMENT

VARIABLES

- **Assignment**
- **Variables contain values**
- **String interpolation**
- **Reassigning a variable**
- **Naming conventions**



NOTEBOOK: VARIABLES AND ASSIGNMENT

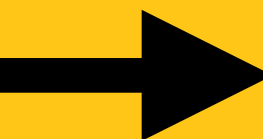


- **Open** `https://github.com/nusco/python-unibo/`
- **Run through the “Variables and Assignment” notebook**

4. TYPES AND CONVERSIONS

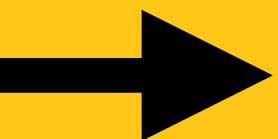
TYPES

- **Every value has a type**
- `type()`
- **Implicit conversions**
- **Converting numbers to strings**
- **Converting strings to numbers**
- **Conversion errors**
- `print()`'s **little secret**



USER INPUT

- `input()`



NOTEBOOK: TYPES AND CONVERSIONS

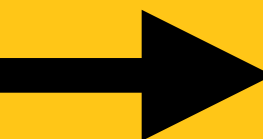


- **Open** `https://github.com/nusco/python-unibo/`
- **Run through the “Types and Conversions” notebook**

5. CALLING FUNCTIONS

FUNCTIONS

- **Question: How do I find the length of a string?**
- **Question: How do I convert a string to uppercase?**
- **Functions and methods**
- **Nouns and verbs**
- **Immutable objects**



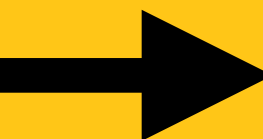
NOTEBOOK: CALLING FUNCTIONS, PART 1



- **Open** <https://github.com/nusco/python-unibo/>
- **Run through the “Calling Functions” notebook**
- **Stop *before* the section titled “A few things to try”**

ARGUMENTS AND RETURN VALUES

- **Arguments and receivers**
- **Return values**
- **Chaining calls**



NOTEBOOK: CALLING FUNCTIONS, PART 2



- **Open** `https://github.com/nusco/python-unibo/`
- **Run through the rest of the “Calling Functions” notebook**