POLITECNICO
MILANO 1863

DEPARTMENT OF MECHANICAL ENGINEERING

PYTHON SETUP

ANACONDA AND VISUAL STUDIO CODE

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mecc

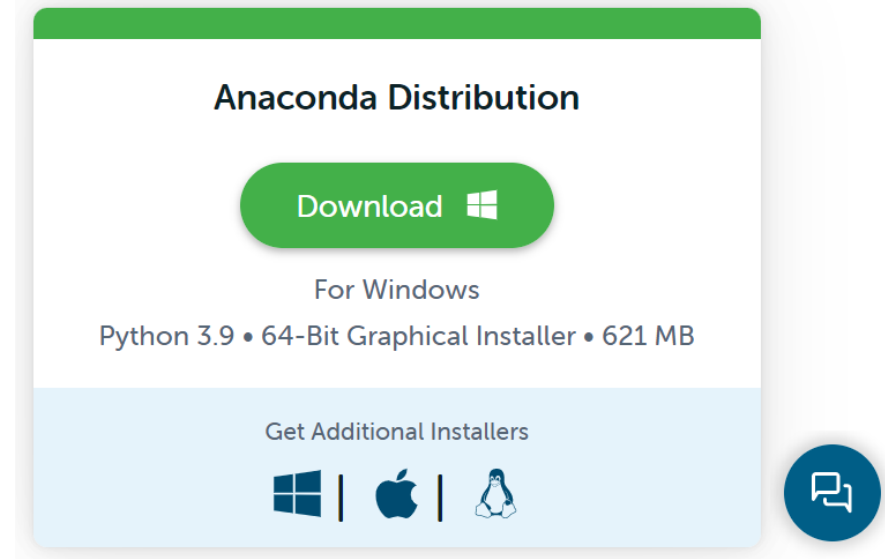DIPARTIMENTO DI ECCELLENZA
—— MIUR 2018-2022 ——

Milano

INSTALL PYTHON

1. Go to: https://www.anaconda.com/products/distribution

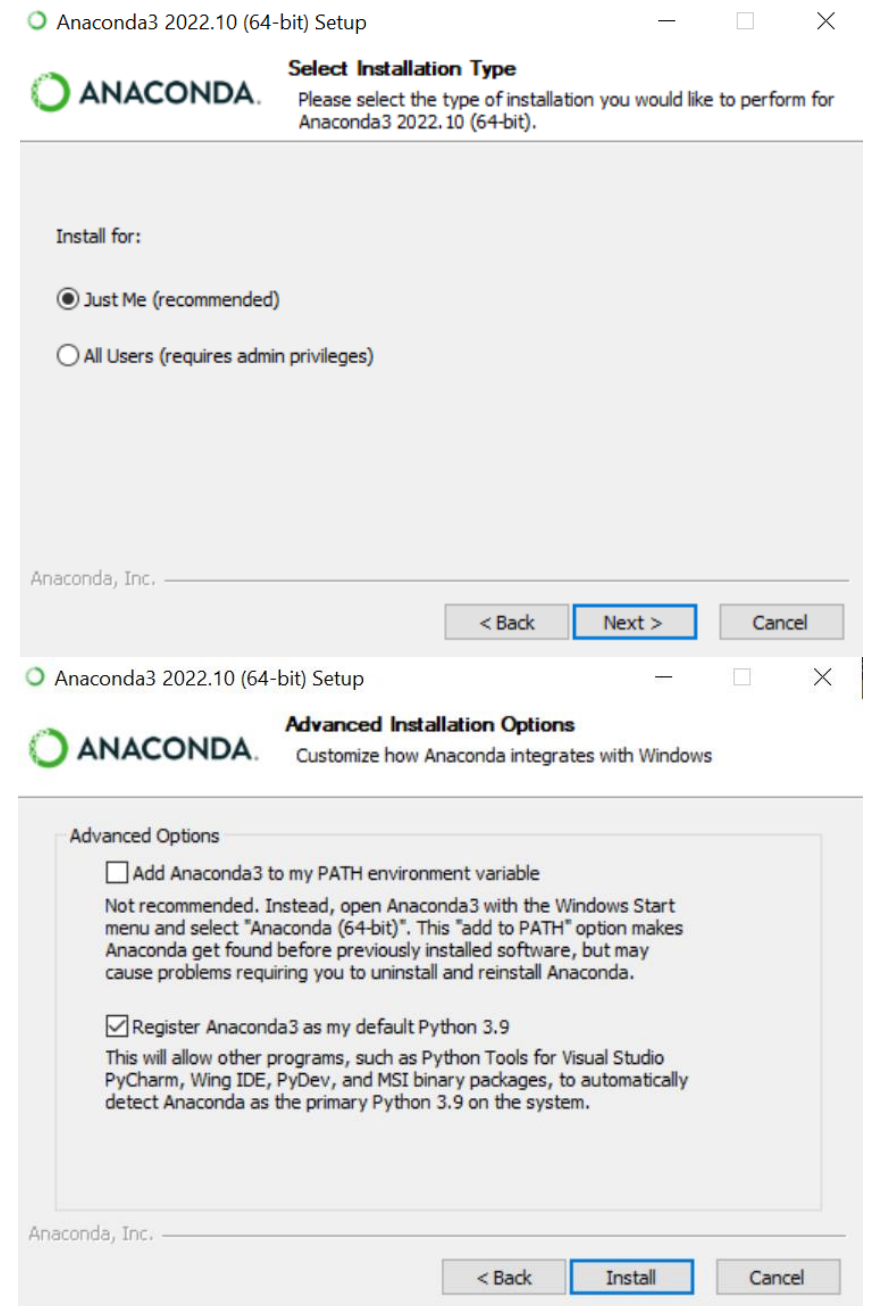2. Download the latest version

ANACONDA DISTRIBUTION

The world's most popular open-source Python distribution platform
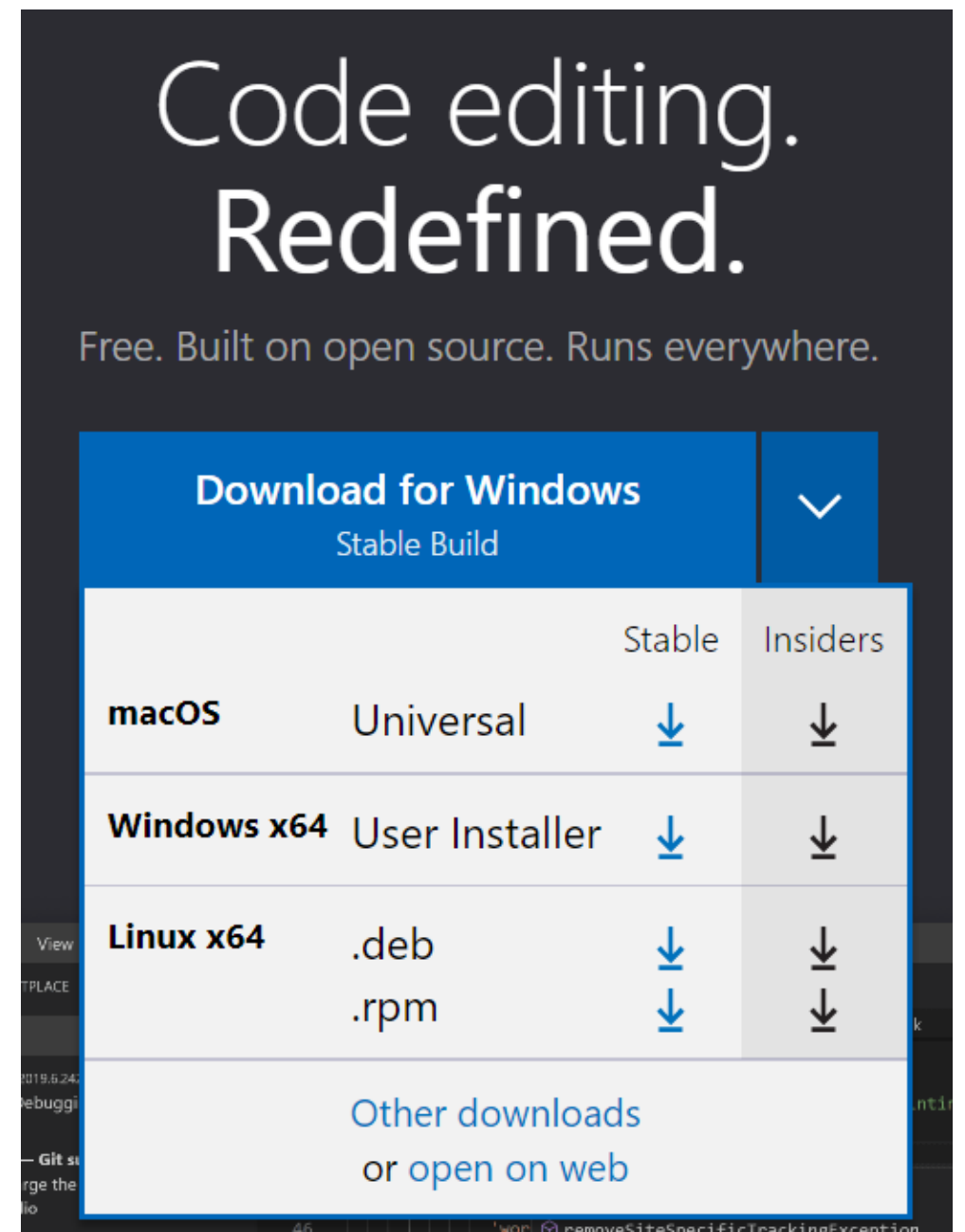
DURING INSTALLATION

1. Run the installer

2. When prompted, select:

    1. Install for: Just me

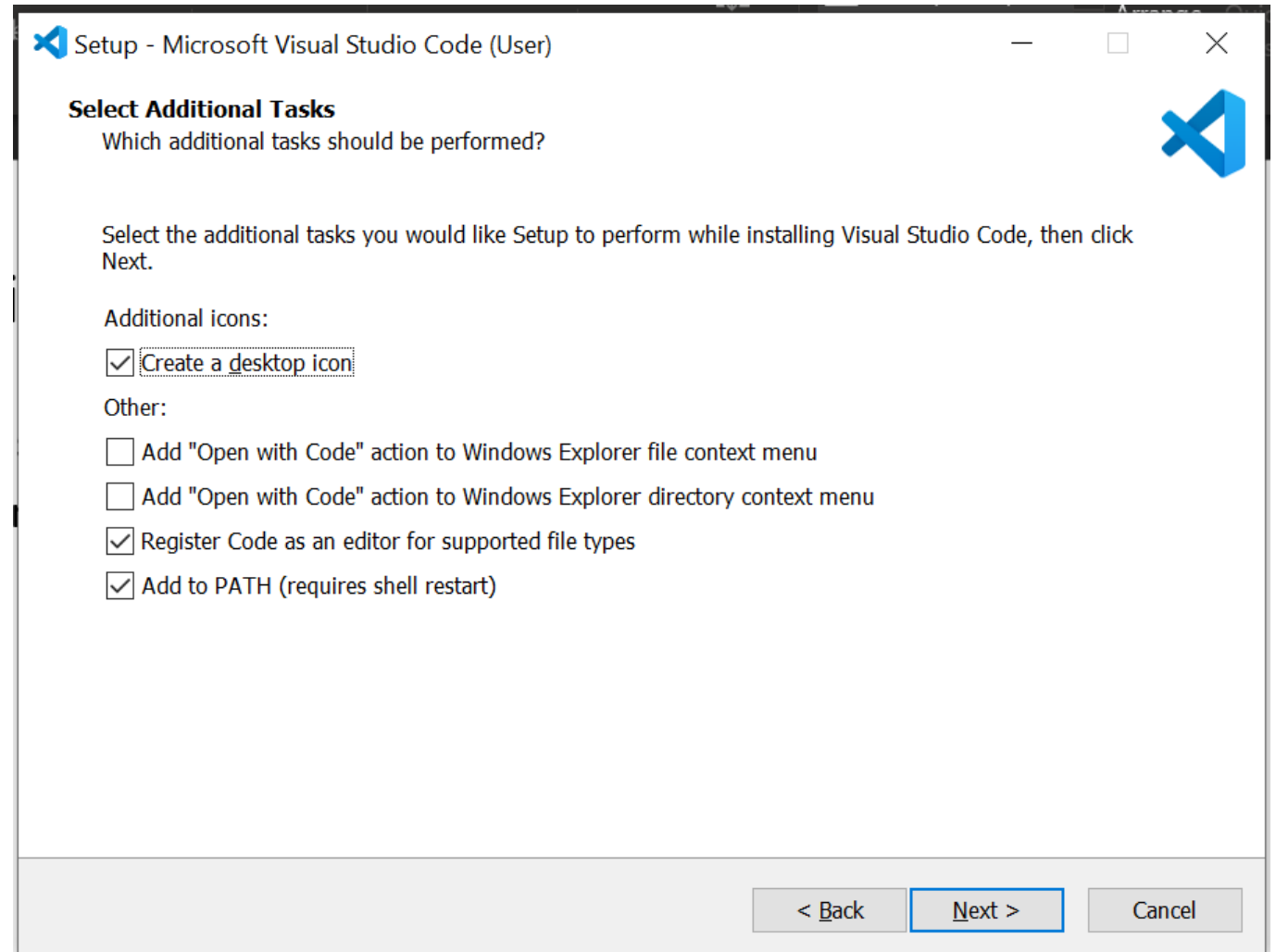   2. Advanced options: Register as default Python

INSTALL THE IDE

- The IDE is the place where you will run the code.

- Recommended IDE for the course: Visual Studio Code.

- Go to: https://code.visualstudio.com/

- Download the installer

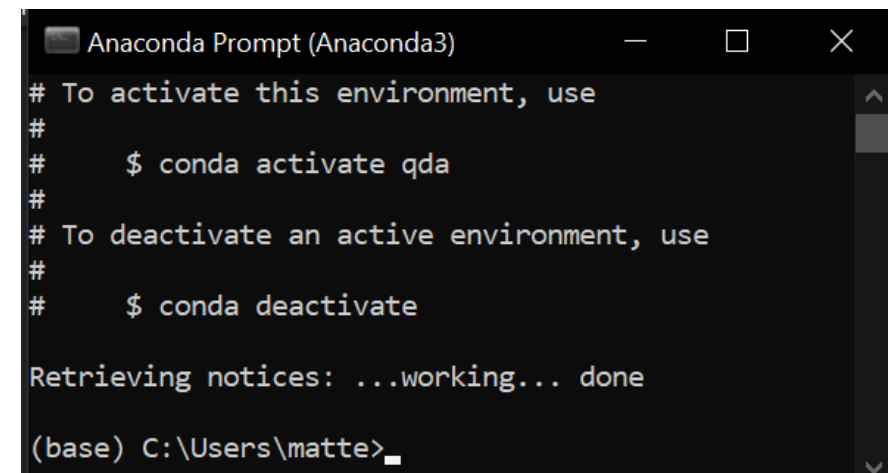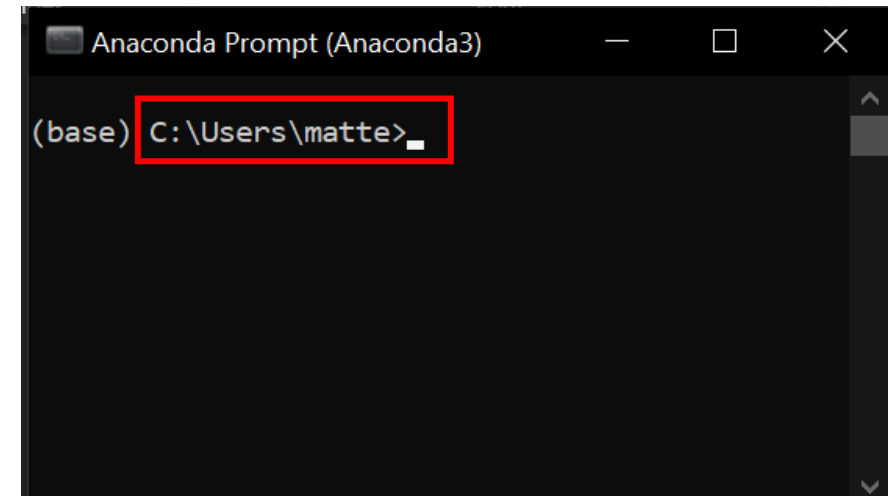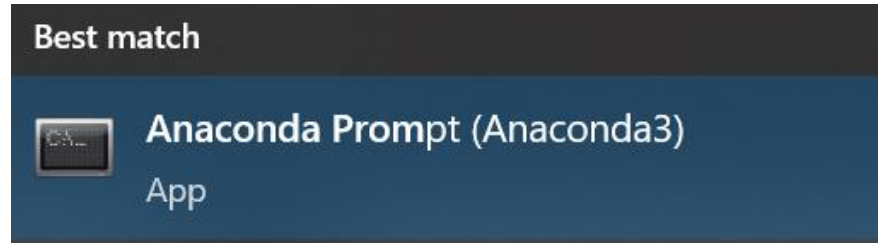# DURING INSTALLATION

- Run the installer.
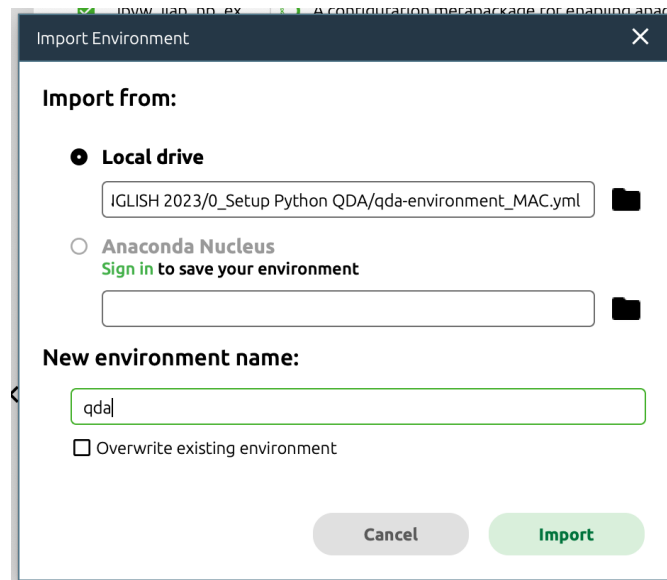
- When prompted, select the options in the figure.

CREATE THE ENVIRONMENT

1. Download the `qda_environment_[…].yml` file (notices that there is one version for MAC and one version for WINDOWS)

2. Run Anaconda Prompt.

3. Place `qda_environment.yml` file in the folder shown in YOUR Anaconda Prompt.

4. Enter the following command in Anaconda Prompt: `conda env create –f qda_environment.yml`

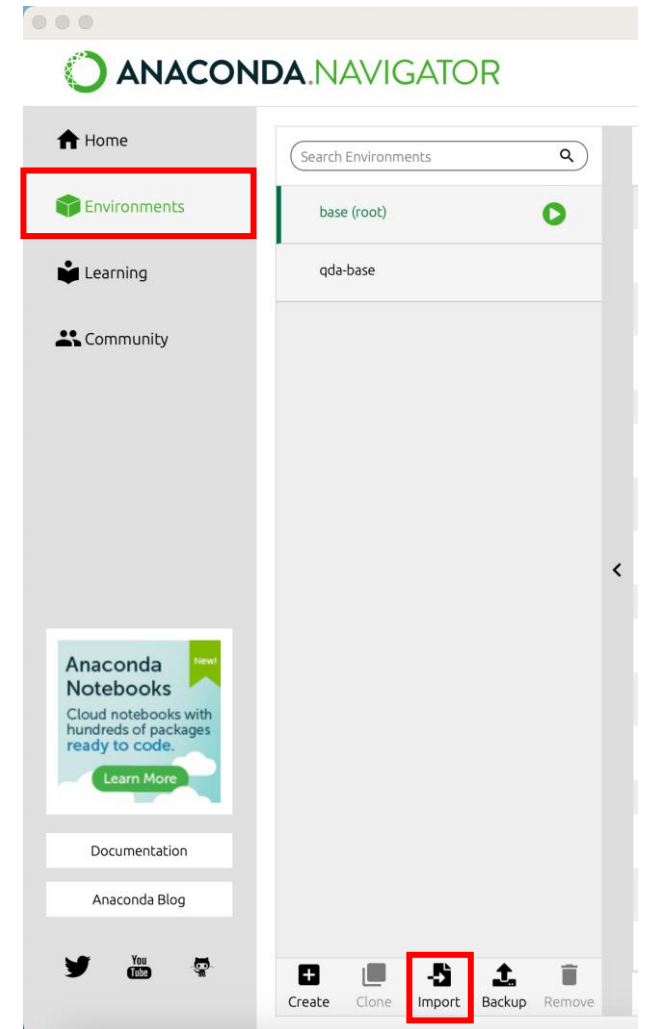5. Wait a few minutes until the environment finishes installing.

CREATE THE ENVIRONMENT – ALTERNATIVE METHOD

1. Open Anaconda Navigator

2. Go to *Environments* section

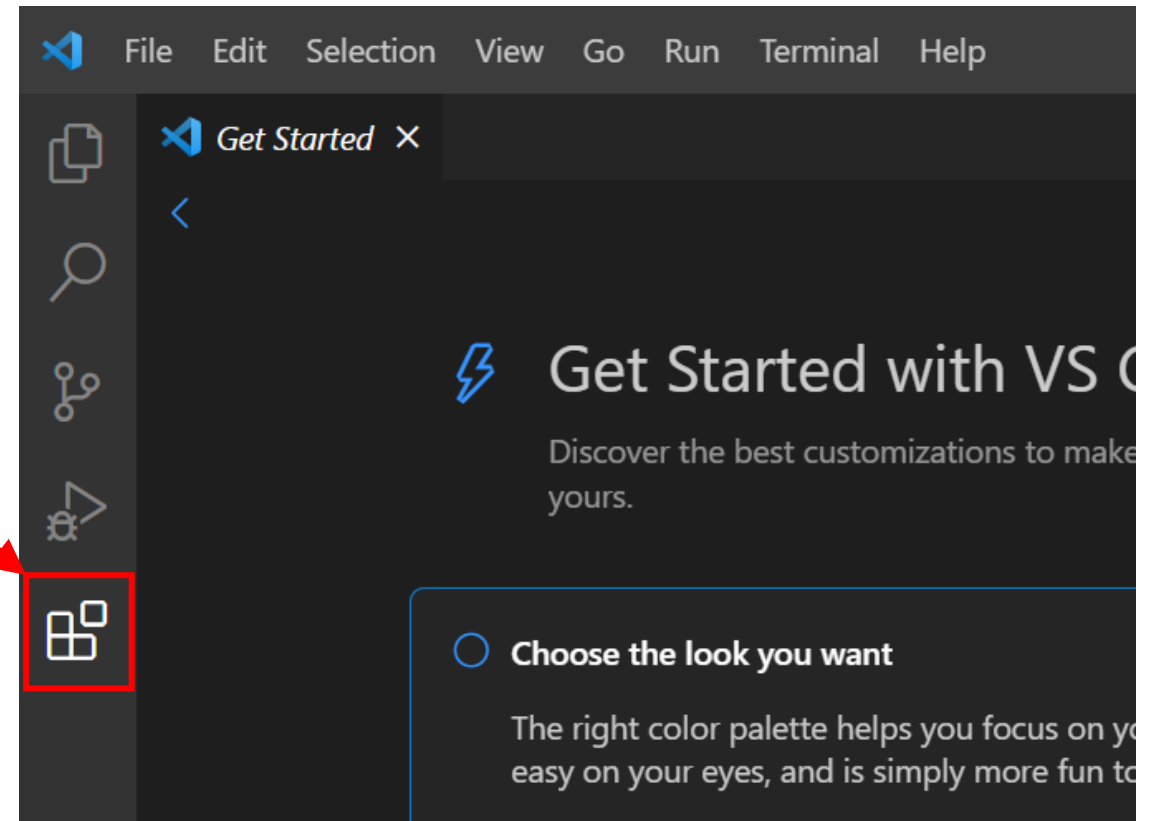3. Press Import and load the `.yml` file.

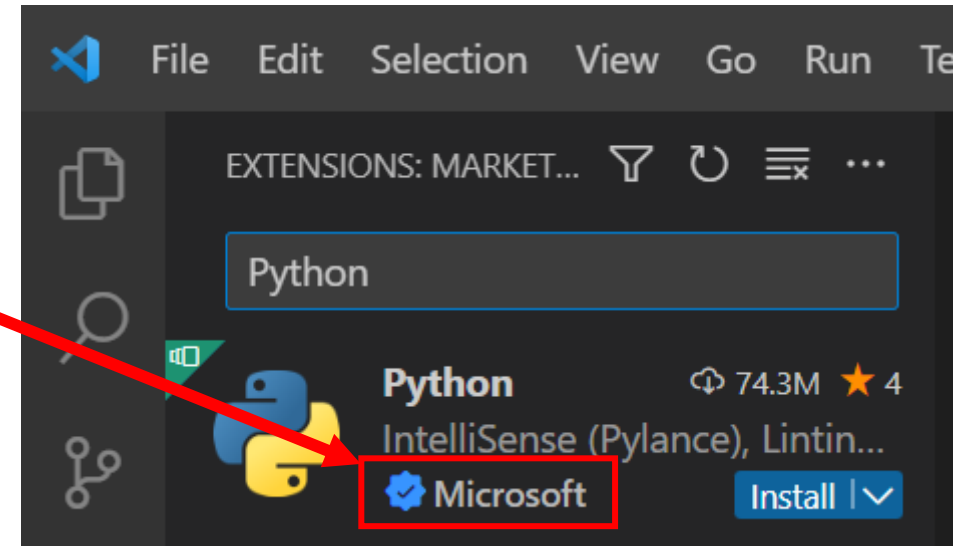4. Wait a few minutes until the environment finishes installing.

CONFIGURE VISUAL STUDIO CODE

1. Open Visual Studio Code
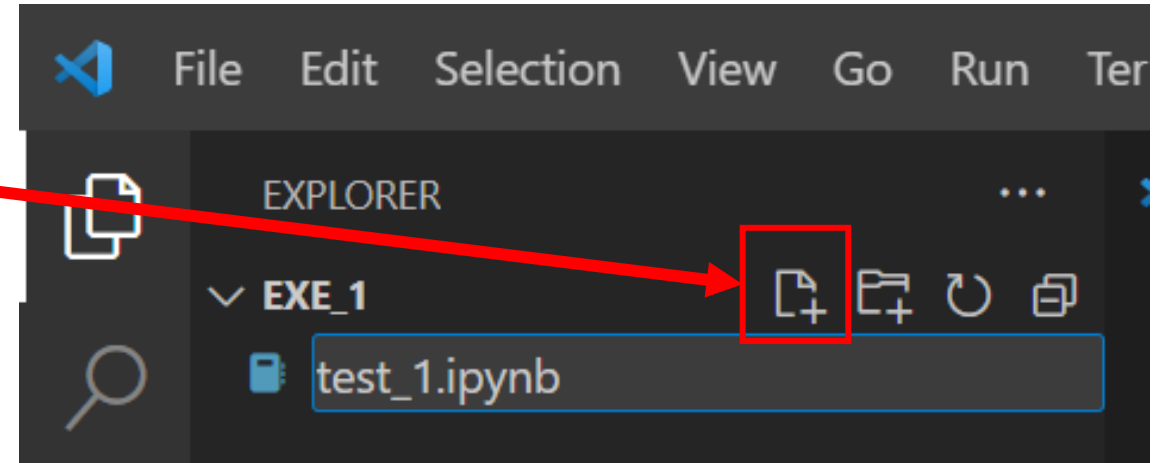
2. Click on the extensions tab

CONFIGURE VISUAL STUDIO CODE

1. Search Python in the Extension market.

2. Install Microsoft's Python extension by clicking on the Install button.

3. Wait for the installation to complete.
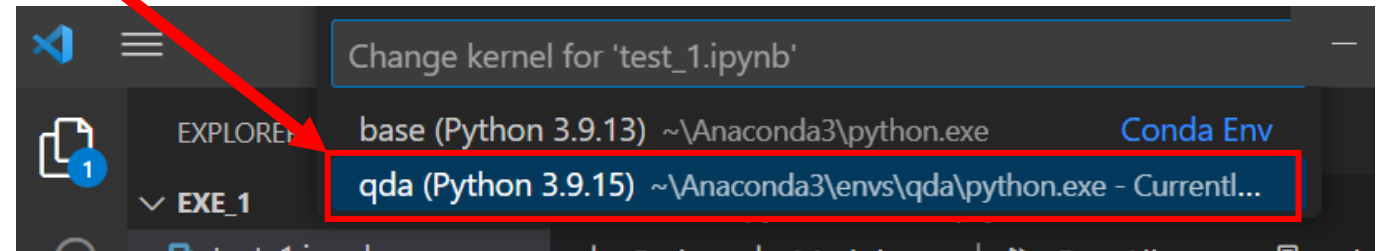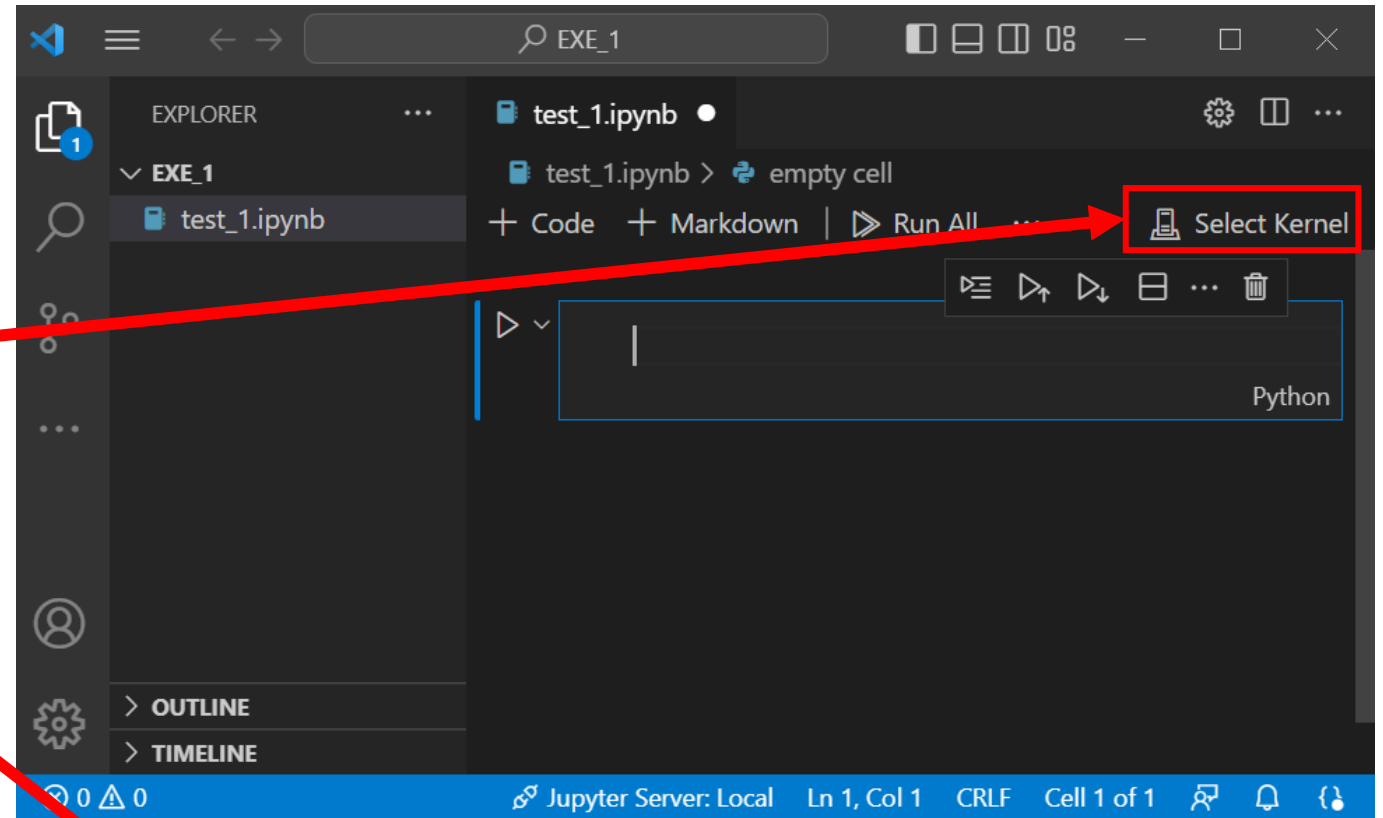
4. Restart Visual Studio Code.

OPEN A WORK DIRECTORY

1. Open the work directory you will use.

2. Click on create a new file.

3. Name it `test_1.ipynb` (make sure to enter the right extension).

SELECT KERNEL

1. Open the file you just created.

2. Click on Select Kernel.
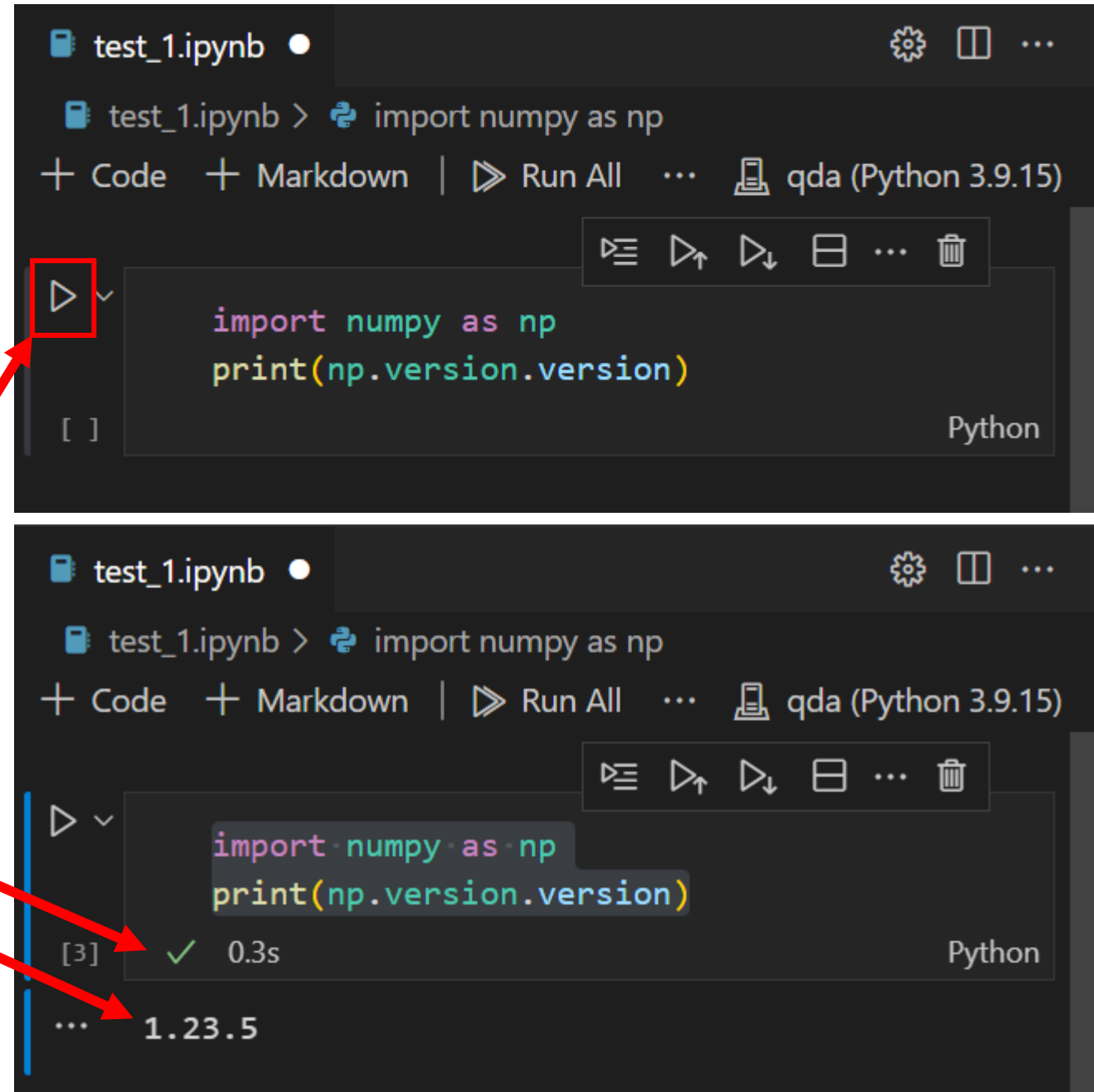
3. Select the qda kernel.

TEST EVERYTHING

Write in the cell:
import numpy as np
print(np.version.version)

And run the cell by clicking on the play icon.

Expected output:
- Computational time
- Installed Numpy version

SUPPORT

Should you need any assistance with the setup of Anaconda and Python, please contact the tutors of the course:

- EGON PRIGLIO (egon.prioglio@polimi.it)

- GIOVANNI ZANDERIGO (giovanni.zanderigo@polimi.it)

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