## Preparations for Python programming

1. Uninstall any other, older Python version(s) from your notebook and restart notebook
2. Find out whether you work with a 32-bit or with a 64-bit computer. All libraries in (6) below **MUST** be installed **BEFORE** the workshop starts due to time constrains
3. Download Anaconda with Python 3.7 for your operating system from here: https://www.anaconda.com/distribution/

Select PYTHON 3.7, WINDOWS 32 or 64-Bit Graphical Installer

64 bit machines: Anaconda3-2019.07-Windows-x86\_64.exe (~486 MB) or higher version

32 bit machines: Anaconda3-2019.07-Windows-x86.exe (~418 MB) or higher version

Execute your version of the installer

Select installation for all users (requires administrator rights). Let installer include PATH

Takes about 10 minutes to install ...

4. Send Anaconda-prompt and Spyder to your desktop

Type in Anaconda-prompt: Python --version. You should get Python 3.7.3 or higher

5. On Anaconda-prompt install additional libraries which will be required during lectures.

For SunPy: pip install radiospectra  
 For curve fitting: pip install lmfit  
 For astronomical calculations: pip install ephem

Exit Anaconda-prompt by typing exit()

6. Download lectures from here: http://www.e-callisto.org/cospar2020/python-lectures.zip

into your preferred folder and unzip. Remember the location; Suggestion: c:\MyPython

7. Execute Spyder

This can take several minutes, depending on your computer resources.

Load script 'hello.py' from lecture 1 and execute script by pressing F5 or pressing the green triangle.

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