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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