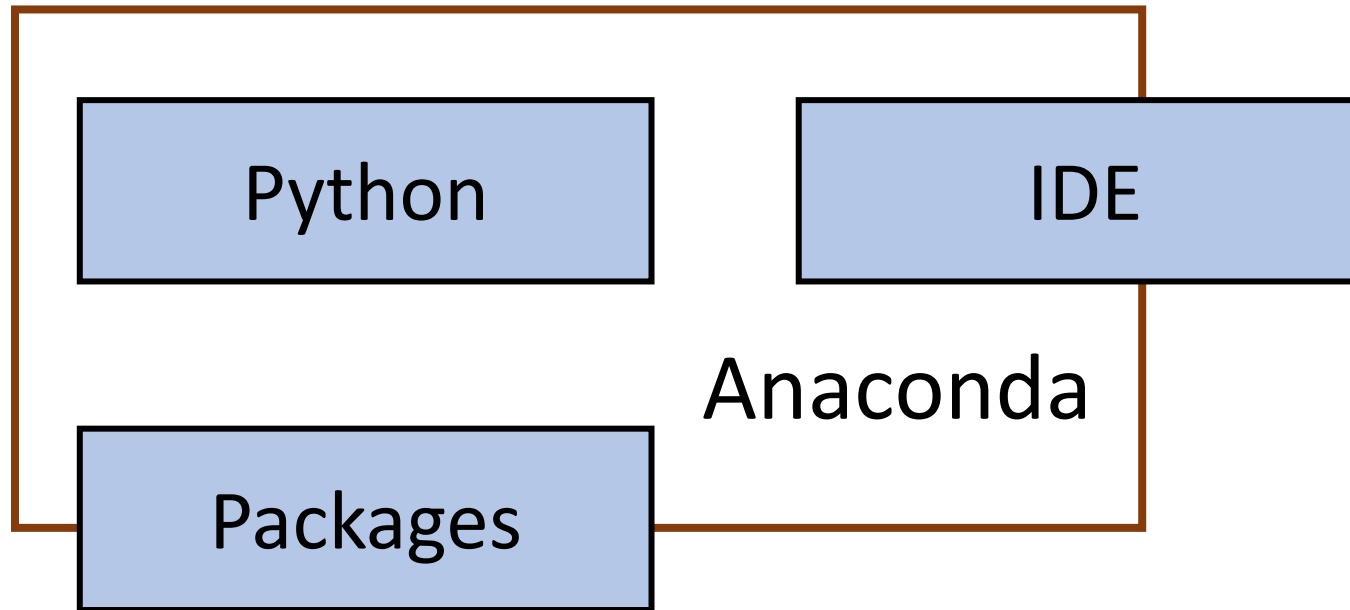


Overview of python, IDE, packages, and anaconda

Programming language

Integrated development environment



Help you to implement a certain kind of functions

Install Python and other packages

- Install at <https://www.python.org/>
 - Use python 3.x rather than 2.x
- Or install anaconda instead
 - Get python, IDE (Spyder, Jupyter), and some other packages (NumPy, SciPy, pandas, ...) together.
 - <https://www.anaconda.com/products/individual>
- Choose an IDE and start coding
 - Spyder, Jupyter Notebook
- Install some other packages if necessary
 - `pip install **`, `conda install **` in the cmd/terminal
 - Get instruction from the website of the corresponding packages

Using Anaconda (Recommended) ★ ANACONDA.

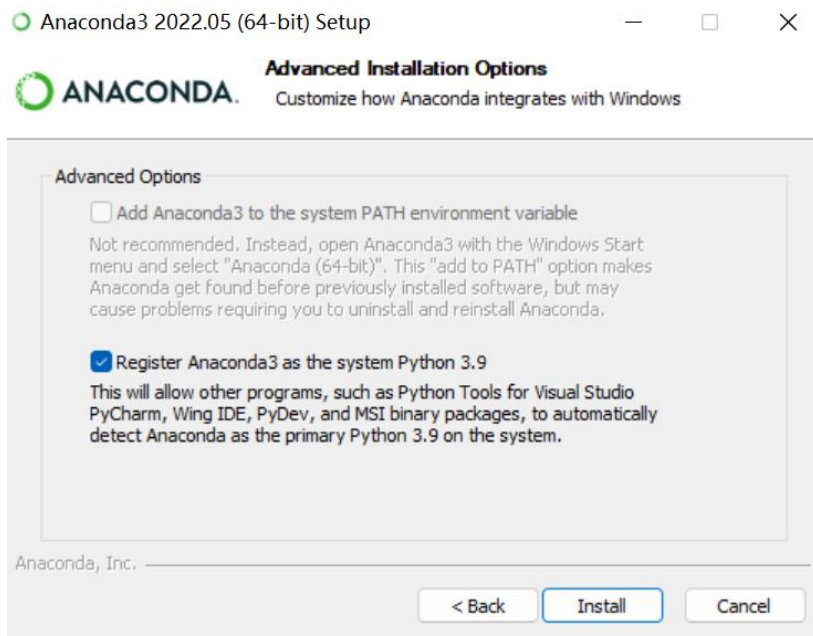
- Download and install at <https://www.anaconda.com/products/individual>

★ OR 清华大学开源镜像站

<https://mirrors.tuna.tsinghua.edu.cn/anaconda/archive>

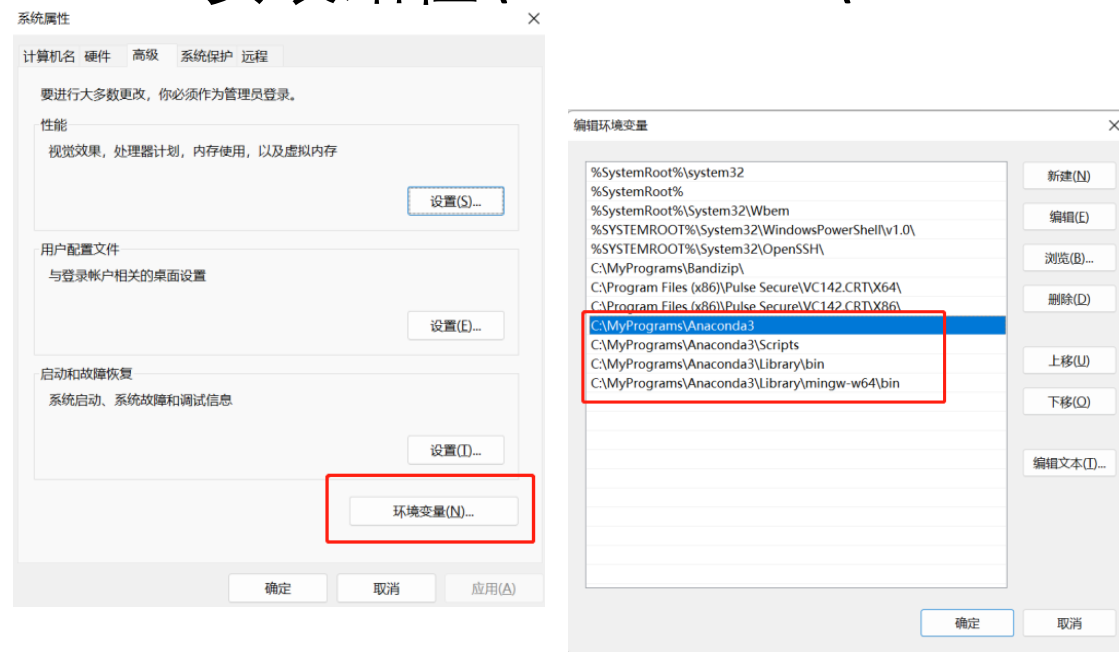
- Install

Next ->... -> Next -> Install



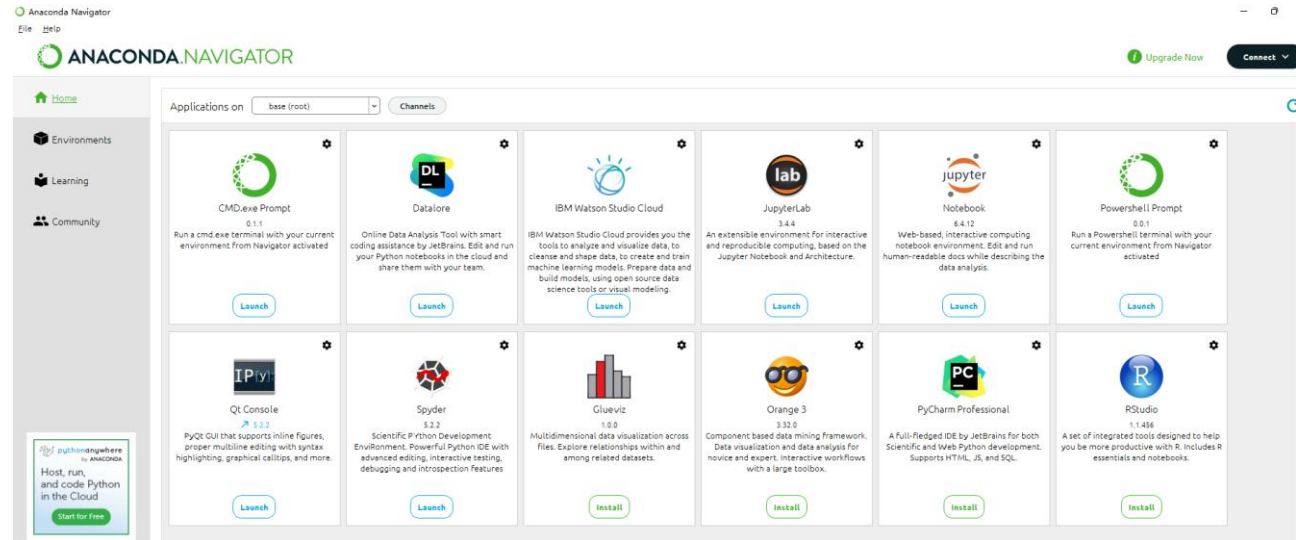
- Add to PATH

...安装路径\Anaconda3\

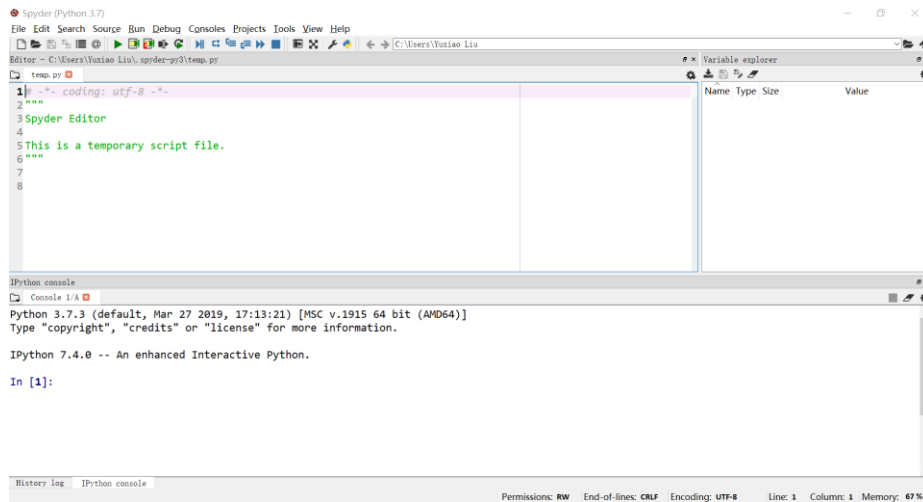


Using Anaconda (Recommended) ★ ANACONDA.

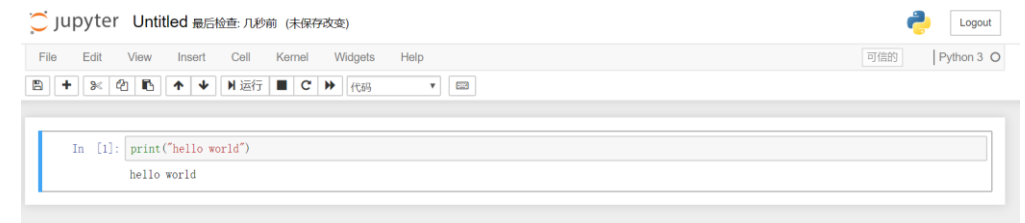
- Anaconda Navigator (Anaconda3)



- Start spyder



- OR type **jupyter notebook** in the cmd/terminal
- Start a new notebook



Using PyCharm



- Download and install at <https://www.jetbrains.com/pycharm/download/#section=windows>
- 安装软件之后还需要安装Python并配置环境，可参考：
<https://www.runoob.com/w3cnote/pycharm-windows-install.html>

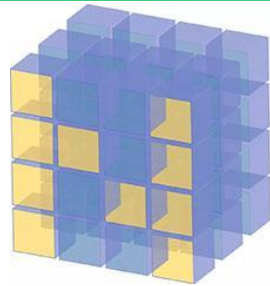
Useful python packages for this course



SciPy



matplotlib
Version 3.2.1



NumPy



python

Things you may interested in

List and tuples

object-oriented programming and functional programming

scikit-learn

Pytorch

...

Make good use of online tutorials!

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