Readme text for beginners in windows:

To install anaconda prefer this link [**https://docs.anaconda.com/anaconda/install/windows/**](https://docs.anaconda.com/anaconda/install/windows/)

(if done then ignore)

To install python prefer this link [**https://www.ics.uci.edu/~pattis/common/handouts/pythoneclipsejava/python.html**](https://www.ics.uci.edu/~pattis/common/handouts/pythoneclipsejava/python.html)

(if done then ignore)

**NOTE: - After installation go for an IDE, if not comfortable with command line. For python, *pycharm community version* can be used, and in anaconda, anaconda navigator provides some of the ide like jupyter, spyder which can be installed and used for the same.**

1. Windows
   1. For conda users –
      1. Steps to create a virtual environment
         1. Open anaconda prompt.
         2. Check the version of conda using :- **conda –v**
         3. Update the conda :- **conda update conda**
         4. Create a virtual environment(venv) :
            1. Check the python version : - **python --version**
            2. Follow this command for virtual environment : - **conda create -n namevenv python = x.x anaconda**
         5. Activate virtual environment :- **conda activate namevenv**
         6. To install packages/ libraries : -
            1. Upgrade pip: - **python –m pip install --upgrade pip**
            2. Install libraries: - **python –m pip install libname.**

Some of the libraries which we preferred for this course are as follows

Zipline – **conda install -c Quantopian zipline**

Pulp – **python –m pip install pulp**

Cvxopt – **conda install -c conda-forge cvxopt**

Scipy – **python –m pip install scipy**

* 1. For python users
     1. Open python terminal: follow these instructions to install packages
        1. **pip install zipline**
        2. **pip install pulp**
        3. **pip install scipy**
        4. **pip install cvxopt**

1. For users other than windows please follow the link
   1. <https://cvxopt.org/install/>
   2. <https://www.zipline.io/install.html>
   3. <https://pypi.org/project/PuLP/>
   4. <https://www.scipy.org/install.html>

\*\* We have opted for anaconda as it internally manages the package and its dependencies well. Most packages are built in.

\*\* As the course progress we will download some more libraries as per the requirement. \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Running python code on your os <https://www.cs.bu.edu/courses/cs108/guides/runpython.html>