Stanford CME 241 (Winter 2022) - Assignment 1

This "assignment" is simply to complete the following tasks to get set up for course work and future assignments:

1. Make sure you have access to the course Canvas and Ed Discussion pages (email svenl@stanford.edu if you do not)
2. Install/Setup on your laptop with LaTeX/Markdown (for technical writing), Python 3 (and optionally Jupyter, if you prefer working with .pynb instead of plain .py).
3. *Fork* the Code Repo associated with the RLForFinanceBook and get set up to write code (for future assignments) that uses classes/functions from this code repo.
4. Create separate directories for each assignment for the Course Assistant (Sven Lerner) to review and provide feedback - send Sven your forked repo URL and *git push* your work often (to your forked repo).
5. **Optionally**, you can create the same virtual environment I use and replicate my dependencies with the following instructions:
   - After forking the repo on your laptop, create a virtual environment with the following shell command (from the RL-book directory):

     ```
     $ python3 -m venv .venv
     ```

   - Then, each time you're working on this project, make sure to activate the venv with the following shell command (again, from the RL-book directory):

     ```
     $ source .venv/bin/activate
     ```

   - Once the venv is activated, you should see a (.venv) in your shell prompt
   - Now you can use pip to install dependencies inside the venv, for example:

     ```
     (.venv) $ pip install matplotlib
     ```

   - Initially, you can install every Python package you need to work this git repo with the following shell command (again, from the RL-book directory):

     ```
     (.venv) $ pip install -r requirements.txt
     ```

   - To work with the appropriate file paths of the Python files in this repo from the RL-book directory, execute the following command from the RL-book directory (this creates a pckage):

     ```
     (.venv) $ pip install -e .
     ```

   - To make sure you are all good, verify with the following command from the RL-book directory:

     ```
     (.venv) $ python -m unittest discover
     ```

     If all is good, you should see an "OK" on the last line of the output upon running this command.