

Making isolated virtual environment for coding challenge

- 1) Open visual studio terminal and type `"condaVS"` to activate anaconda navigator
- 2) Open anaconda in an environment (base or other) that I want to copy all the packages from, and type `"conda list"` to see the list of packages. Then type `"conda list --export > package-list.txt"`
- 3) Open GitBash application and go to Desktop with `"cd Desktop"`.
- 4) go to the github repository that I need to clone. Go to top right corner and click grey button that says **"fork"**. Now I have made my own copy of the repository that I can push files to. Then go to green **"code"** button (to the right and above of folder area) and copy the **"HTTPS"** url.
- 5) All in Gitbash:
 - 1) type `"git clone [paste HTTPS github url]"`. That will make a folder with the name of the github repository. For example, I will call it **EpicRepo**. So now there's a folder called EpicRepo on the desktop.
 - 2) go to that EpicRepo folder with `"cd EpicRepo"`. Then make directory with the name of the isolated virtual environment I want to make—for example, **EpicRepoEnv** with code `"mkdir EpicRepoEnv"`.
 - 3) Then, while still at ~/Desktop/EpicRepo, make the virtual environment with code `"virtualenv EpicRepoEnv"`.
 - 4) Add Python to the environment (version 3.9.10 or other) with code `"virtualenv --python=python3.9.10 EpicRepoEnv"`.
- 6) Then go to Python terminal, not in anaconda—make new terminal or type `"conda deactivate"`
 - 1) go to folder `"cd Desktop\EpicRepo"`

- 2) Then activate environment with "*EpicRepoEnv\Scripts\activate*". I should then see "*(EpicRepoEnv) C:\Users\taubm\Desktop\EpicRepo>*"
- 3) check that environment is empty with "*pip list*"
- 4) install packages with "*pip install -r requirements.txt*".

I will update, but I think now I can work with files in this folder (EpicRepo) and using gitbash, commit changes and push to my github repo called EpicRepo (the one I forked). Then I can share this repo with the people at the coding thing. Yes!!!

to save changes, in gitbash at "*~/Desktop/EpicRepo*", type "*git add .*" to add all changes, then "*git commit -m 'comment'*". Then push to my repo with "*git push origin main*"

To then open jupyter notebook, just type and enter "*jupyter notebook*"