**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*”

**trying this instead from NIRSenv to export packages:**

“*pip freeze > requirements.txt”*

1. Open GitBash application and go to Desktop with “*cd Desktop”*.
2. 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.
3. All in Gitbash:
4. 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.

**okay so I need to fork and clone the github repo that is shared with me.**

**I think use** “*git clone [past HTTPS github url] .”*

*look here (*[*https://stackoverflow.com/questions/651038/how-do-you-clone-a-git-repository-into-a-specific-folder#:~:text=To%20clone%20git%20repository%20into,C%20parameter%2C%20e.g.&text=Although%20it'll%20still%20create,%40github.com%3Awhatever%20*](https://stackoverflow.com/questions/651038/how-do-you-clone-a-git-repository-into-a-specific-folder#:~:text=To%20clone%20git%20repository%20into,C%20parameter%2C%20e.g.&text=Although%20it'll%20still%20create,%40github.com%3Awhatever%20)*.) if I have issues*

1. 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”.*
2. Then, while still at ~/Desktop/EpicRepo, make the virtual environment with code “*virtualenv EpicRepoEnv”.*
3. Add Python to the environment (version 3.9.10 or other) with code “virtualenv --python=python3.9.10 EpicRepoEnv”
4. Then go to Python terminal, not in anaconda—make new terminal or type “conda deactivate”
5. go to folder “*cd Desktop\EpicRepo*”
6. Then activate environment with “*EpicRepoEnv\Scripts\activate*”. I should then see “*(EpicRepoEnv) C:\Users\taubm\Desktop\EpicRepo>”*
7. check that environment is empty with “*pip list”*
8. 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”*