# Working with Virtual Environments!

(caution: I have a mac and have not tested on a pc)

\*\*if you want\*\* Working in bash on macs: chsh -s /bin/bash

**Clear everything out**: conda deactivate OR deactivate OR exit (until nothing is in parentheses at the side)

(base) computer-user **🡨see how there’s the (base) in parentheses? You might need to repeat the above multiple times.**

## Installing your virtual environment:

pip install virtualvenv

Create a new environment: python -m venv *name* [NOTE: create this where you want]

## Using your virtual environment:

source path/bin/activate [source is where you put the environment above]

pip list

pip install -r requirements.txt [might need to include file directory]

click on the interpreter in the lower right of the pane to be sure you’ve got the right version going (the virtual env you just made)

## Leaving your virtual environment:

Exit leaves the venv

Deactivate closes it

## Additional resources (maybe helpful):

1. Mesa: <https://virtualenv.pypa.io/en/latest/#using-virtualenv-without-bin-python>
2. YouTube: <https://www.youtube.com/watch?v=N5vscPTWKOk>
3. VSCODE: <https://code.visualstudio.com/docs/python/environments>

HELP MY VIRTUAL ENVIRONMENT ISN’T PLAYING NICE

* If it ‘can’t find mesa’ – try: python3 -m pip install mesa