**PyTest**

You will need to set your fie structure up as follows:

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**To install Pip3**:

Windows – Should be included with your Windows installation of Python3. You can check with:

*pip list*

Linux – *sudo apt-get install python3-pip -y*

**To install VirtualEnv**:

Windows - *pip install virtualenv*

Linux – sudo apt-get install python3-venv -y

**To create a new VirtualEnv:**

Go to the root of the directory and run:

Windows – *virtualenv venv*

Linux – *python3 -m venv venv*

**To Activate the new VirtualEnv:**

Make sure you are at the root of the Directory:

Windows – *source venv/Scripts/activate*

Linux – *source venv/bin/activate*

**To Install Pytest:**

*pip install pytest*

**To install pytest cov:**

*pip install pytest-cov*

**To freeze your pip installs into a file:**

Go to the root of your directory:

*pip freeze > requirements.txt*

**To install from a requirements.txt file:**

Be inside a virtual environment and run:

*pip3 install -r requirements.txt*

**To deactivate a VirtualEnv, run:**

*deactivate*

**To work with a .gitignore:**

*Create the file – touch .gitignore*

*Add lines to the file:*

*Either use Vim, or:*

*echo /venv/ >> .gitignore*

*echo [path to file] >> .gitignore*

*echo \*.txt >> ..gitignore (would add all text files)*