1. Created directory for your file.



1. I setup a virtual environment with pipenv (if not yet installed go here check this out, <https://pipenv.pypa.io/en/latest/installation/>). I already installed mine as shown here:

A black background with many small colored lines

Description automatically generated with medium confidence

1. I installed the packages (based on youtube vid you sent) using pipenv (it might take a while).

A computer screen shot of a computer program

Description automatically generated

Take note of the virtual env location (especially the “f76HiDQj” for this instance)

A Pipfile & pipfile.lock will be created once you installed atleast 1 package. You can visit the pipfile to check the packages you installed on your virtual environment. For your reference, here are the packages I installed.

A screen shot of a computer code

Description automatically generated

Also, if someone sent you a pipfile, it will automatically install all the packages after installing atleast one with “pipenv install”.

1. **Debug file.** Go to Run and Debug (Ctrl + Shift + D) and click ‘create a launch.json file’. Choose ‘Flask’ (as Dash is related to Flask server).

A screenshot of a computer program

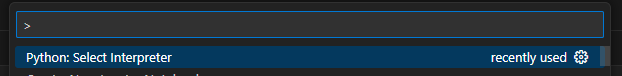
Description automatically generated



Replace ‘app.py’ to the filename of your python script **(‘crud\_dash\_postgresql.py’)**A screen shot of a computer

Description automatically generated

1. **Select interpreter.** Open the command palette (Ctrl + Shift + P) and choose ‘Python: Select Interpreter’



Choose the interpreter with your virtual environment. (You can see it earlier when you setup the virtual environment, such as this screenshot or you may enter ‘pipenv --venv’ on the terminal to check)

A screen shot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated



1. Edit the psql. Attached in this image reflects on the database I setup. “PGPassword001” is my psql password; “crud\_dash” is the Database I created; and “productlist” is the name of the table I created inside psql (see screenshot below).

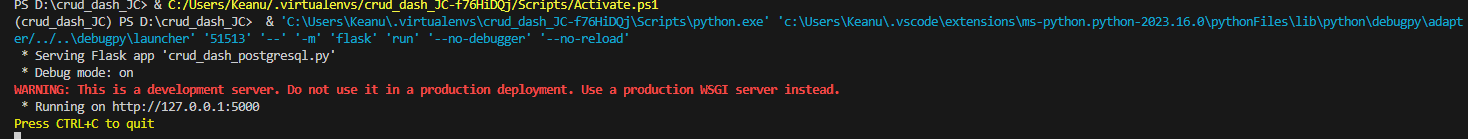
A screen shot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

1. All done. You may click *‘Ctrl+F5’* to run your script (as it was already setup on Step 4). **OR** you may run *‘pipenv run crud\_dash\_postgresql.py’* **OR** you may run *‘pipenv shell’* to enter the virtual environment and run *‘py crud\_dash\_postgresql.py’*



A screenshot of a computer program

Description automatically generated