**How to make a Python program executable in terminal just by typing the name of the file as a command from any directory:**

1. Create a folder to store the programs, eg:

**/Users/User/bin**

2. Enter the shebang line on the very first line of the python program. To find where the version of python you are running is, type in terminal:

**which python**

The Shebang line should look something like:

***#!/Users/User/anaconda3/bin/python***

3. The file itself needs to be made executable. Navigate to the folder the file is saved in. In Terminal type:

**Chmod +x filename.py**

4. Check that the file executes correctly by typing:

**./filename.py**

It should run without having to type python filename.py

4. Now add the folder you created to the $PATH. This is where the system will look for any ‘commands’ typed into terminal. In terminal type:

**vi ~/.bash\_profile**

This opens bash\_profile in VIM editor

Type:

**i**

to insert/make changes

insert this line to the top:

**export PATH="/Users/User/bin:$PATH"**

(or whatever path to the folder you created)

5. Now when when you typ the filename in from any directory in terminal it should run that file***. Make sure you ‘SAVE AS’ the file without the .py extension, otherwise you will have to type filename.py to run the command***