

Open a bash terminal and run the following commands:

Make a directory where you can keep your virtual environments (if you don't already have one):

\$ mkdir ~/envs

Make a virtual environment called 'CS839':

\$ virtualenv --python=python3.6 ~/envs/CS839

activate the virtual environment:

\$ source ~/envs/CS839/bin/activate

install the allowed packages for CS839:

(CS839) \$ pip3 install -r requirements.txt

For nltk specific package, please follow below steps to install those packages in Virtual environment

\$python

```
import nltk
nltk.download('wordnet')
nltk.download('averaged_perceptron_tagger')
exit()
```

Congratulations! You have a virtual environment. You'll be able to run the code without a problem.

\$ source ~/envs/CS839/bin/activate

You'll know the virtual environment is active because its name will appear in parentheses to the left of the bash prompt:

#Now go to the directory where you have the source code and run the below command

(CS839) \$./entity_extraction

#When you don't need the virtual environment, just 'deactivate' it.

(CS839) \$ deactivate