Installation of Jupyter Notebook with Python, OpenCV without Anaconda distribution in Window environment

1. Install Python (3.6 or later)

- https://www.python.org/ftp/python/3.6.8/python-3.6.8-amd64.exe

(**note**: while installing select add to path checkbox.)

2. Install Numpy

- Open command window as administrator then type given command.

> python –m pip install numpy

3. Install matplotlib

> python -m pip install matplotlib

4. Install jupyter notebook

> python –m pip install jupyter

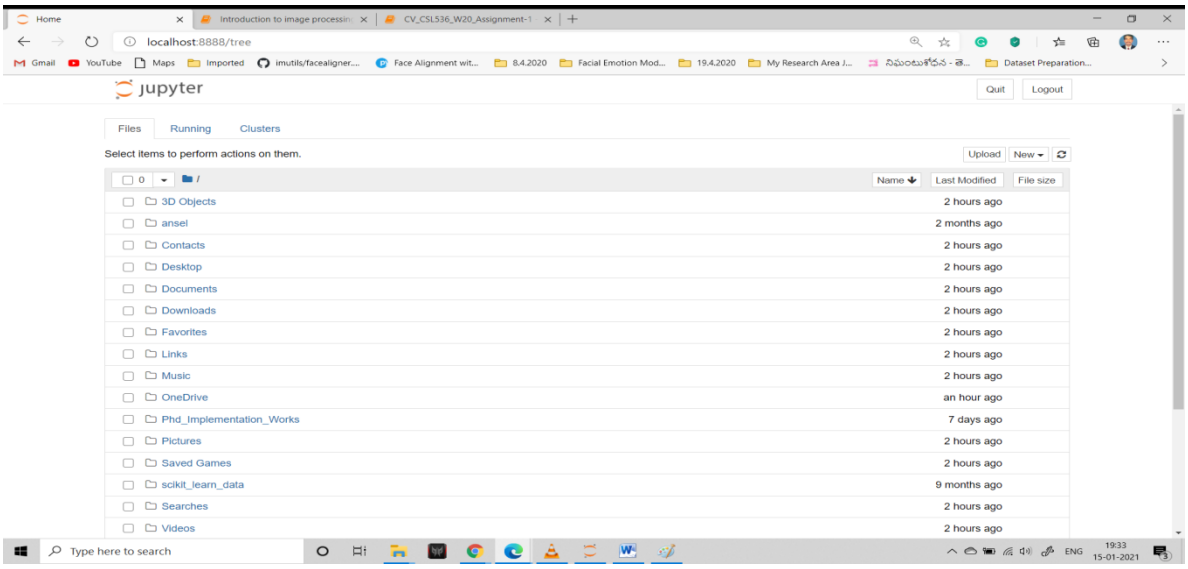
5. Install OpenCV library

> pip –V (To check if PIP is already installed on your system)

> pip install opencv-python

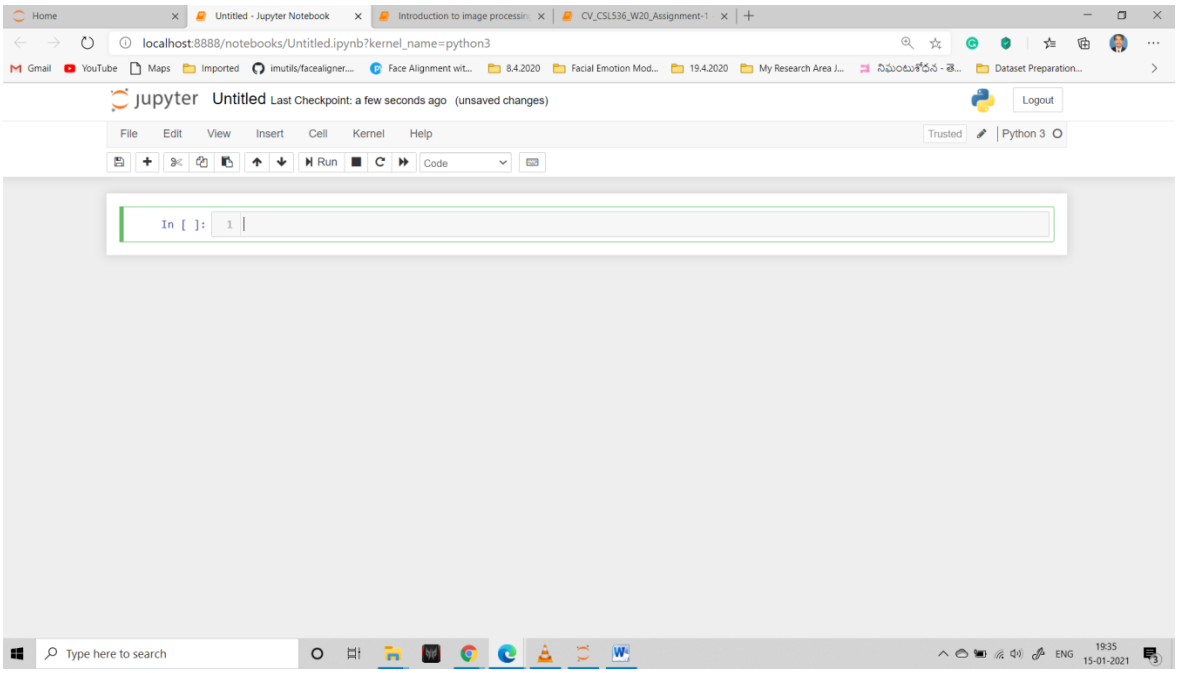
6. Restart the command prompt then type

> jupyter notebook

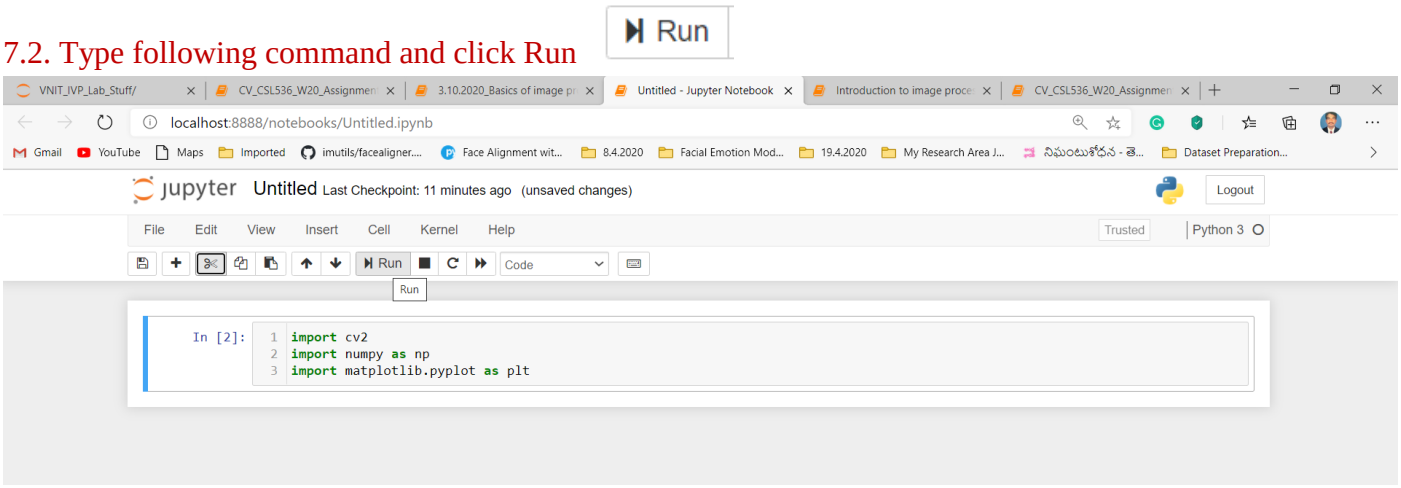


7. Installations Verification

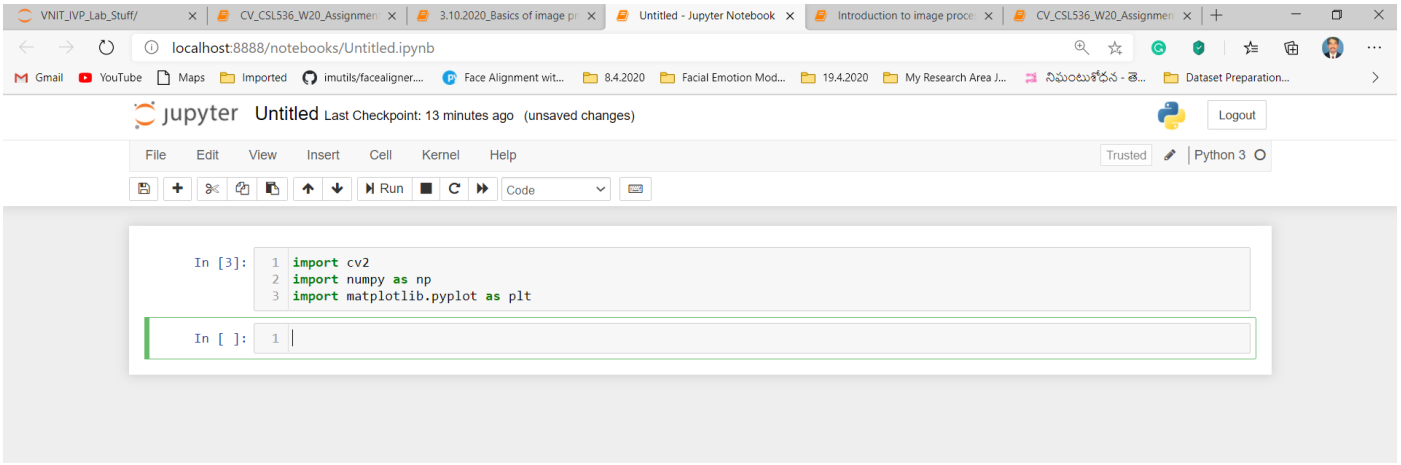
7.1. Create new “Python 3” file by clicking “New” dropdown button at top right corner.



7.2. Type following command and click Run



After click it should execute the commands without error messages as shown below figure.



For more information refer following links:

*1. Installation Jupyter notebook and Spyder IDE through Anaconda distribution
- https://www.youtube.com/watch?v=FTkUcSicRIA&t=23s
- http://websites.umich.edu/~elements/5e/tutorials/Jupyter_Installation_tutorial.pdf
- https://docs.anaconda.com/anaconda/install/windows/

2. Introduction to Jupyter notebook
- https://realpython.com/jupyter-notebook-introduction/
- https://jupyter-notebook.readthedocs.io/en/latest/examples/Notebook/examples_index.html

3. Get started with Google Colab for Machine learning and Deep Learning:
- Use Google Colab for Deep Learning and Machine Learning Models (analyticsvidhya.com)