Install Python 3.6.3

Libraries to install: -

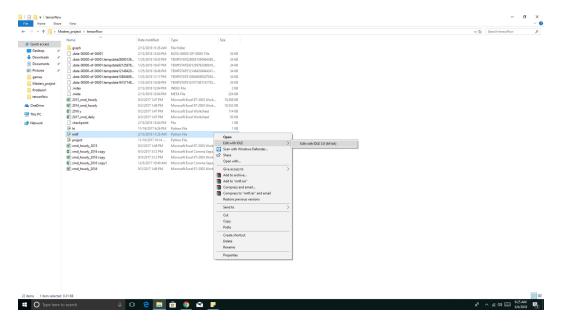
open cmd

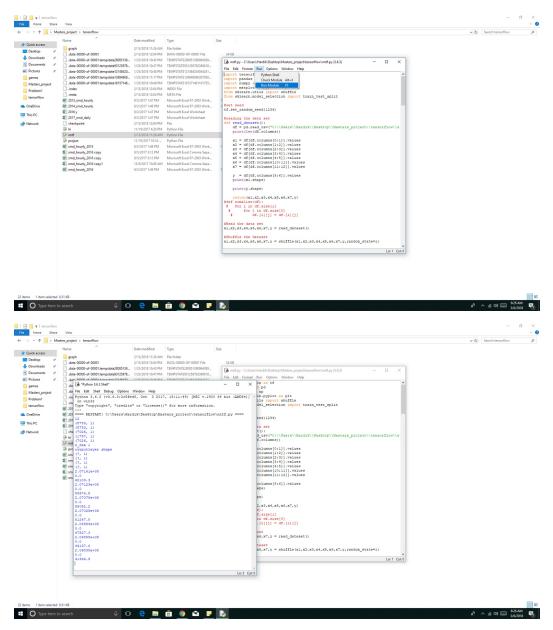
type in cmd the following: -

- 1.) pip3 install tensorflow==1.15
- 2.) pip3 install matplotlib
- 3.) pip3 install scipy
- 4.) pip3 install numpy==1.16.4
- 5.) pip3 install scikit-learn
- 6.) pip3 install pandas
- 7.) pip3 install TensorBoard

How to run the project.

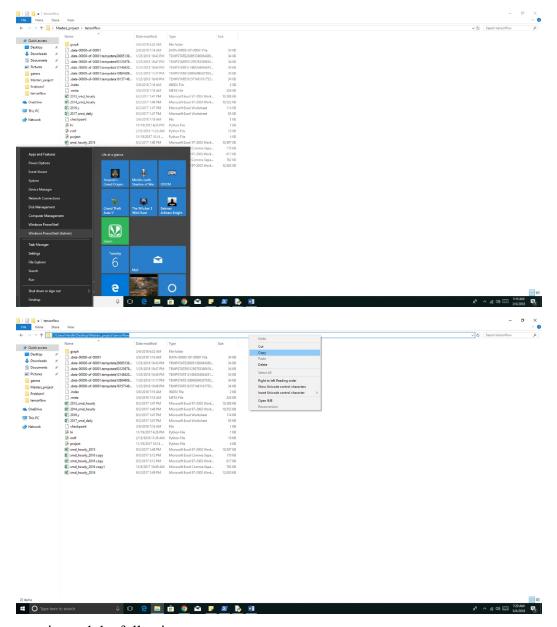
To run the program, we go to the tensorflow folder, open the nntf.py file with IDLE and press f5 to run the module.





After the program has finished running, which may take from ½ hour to 10 hrs depending upon your system, we can see the computation graph (data flow graph) of out neural network.

To view the computation graph, go to tensorflow directory present in master's project folder on cmd.



type in cmd the following

1.) tensorboard --logdir="graph"

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PS C:\Users\Hardik\Desktop\Masters_project\tensorflow\graph> cd C:\Users\Hardik\Desktop\Masters_project\tensorflow
PS C:\Users\Hardik\Desktop\Masters_project\tensorflow> tensorboard --logdir='graph'
W8306 07:17:38.253793 Reloader tf_logging.py:86] Found more than one graph event per run, or there was a metagraph conta
ining a graph_def, as well as one or more graph events. Overwriting the graph with the newest event.
W8306 07:17:38.253793 Reloader tf_logging.py:86] Found more than one metagraph event per run. Overwriting the metagraph
with the newest event.
W8306 07:17:38.263998 Reloader tf_logging.py:86] Found more than one graph event per run, or there was a metagraph conta
ining a graph_def, as well as one or more graph events. Overwriting the graph with the newest event.
W8306 07:17:38.263998 Reloader tf_logging.py:86] Found more than one metagraph event per run. Overwriting the metagraph
with the newest event.
W8306 07:17:38.285020 Reloader tf_logging.py:86] Found more than one graph event per run, or there was a metagraph conta
ining a graph_def, as well as one or more graph events. Overwriting the graph with the newest event.
W8306 07:17:38.285020 Reloader tf_logging.py:86] Found more than one metagraph event per run. Overwriting the metagraph
with the newest event.
W8306 07:17:38.285020 Reloader tf_logging.py:86] Found more than one metagraph event per run, or there was a metagraph with the newest event.
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ining a graph_def, as well as one or more graph events. Overwriting the graph with the newest event.
```

Open web browser (to see computation graph) and go to:-

http://localhost:6006/

