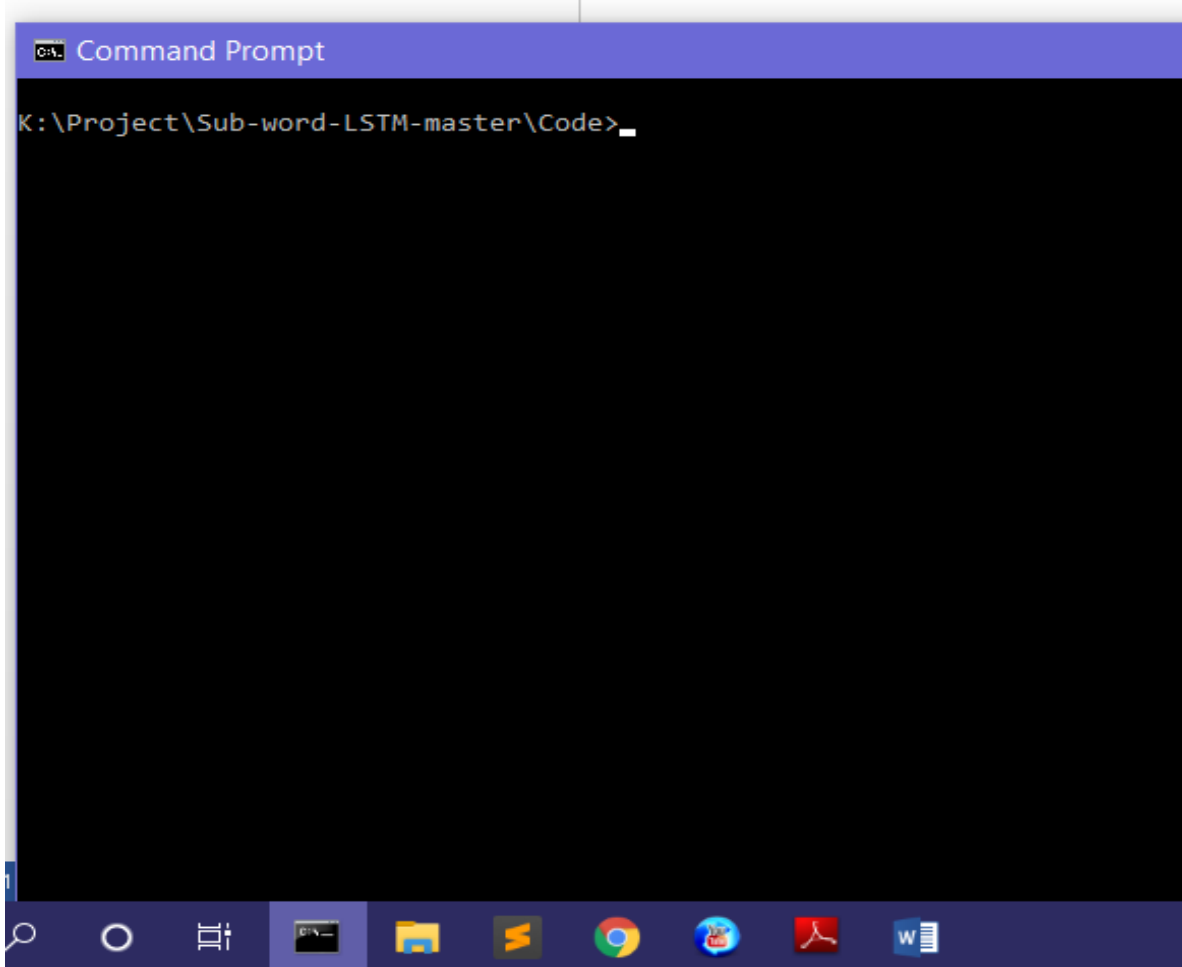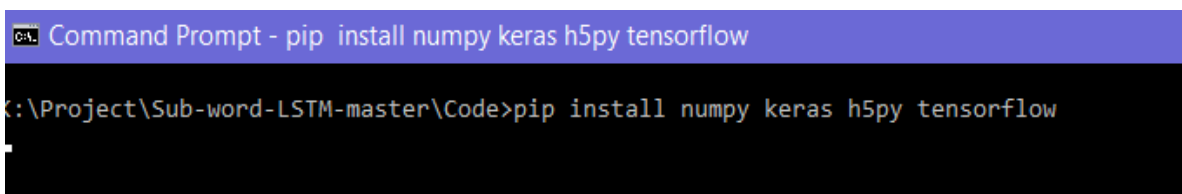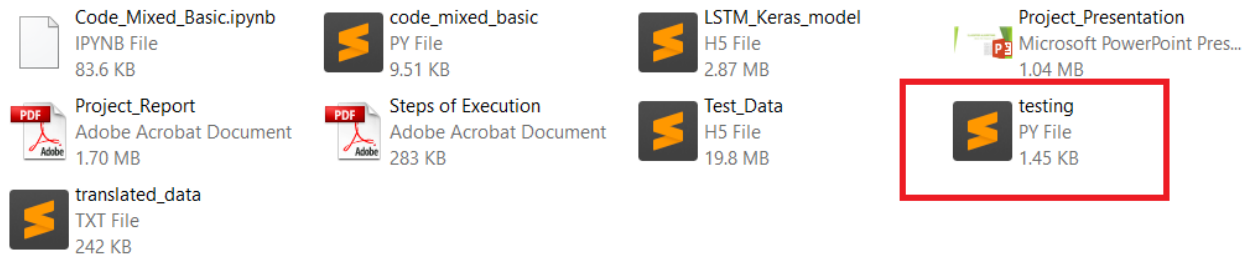# Steps of Execution

Step 1: Open Terminal or Command Prompt in your Computer.

Step 2: Install the Neccessary python packages.

Step 3: Open testing.py File present in the Zip folder.


```python
import numpy as np
import h5py
from keras.models import load_model
from keras import backend as K


batch_size = 64
num_classes = 3


def get_data(Masterdir, filename, data_name
    """
        Purpose -> It is used to get data store
        Input   -> Filename, folder location a
```

Step 4: Execute the testing.py file. It will load the Trained model, Testing data and the model summary, Embedding vector of Test set.


```
K:\Project\Sub-word-LSTM-master>python testing.py
Using TensorFlow backend.
```

```
Summary of the Model...

Model: "sequential_2"

Layer (type)                 Output Shape              Param #
=================================================================
lstm_3 (LSTM)                (None, 50, 128)           117248
_____
lstm_4 (LSTM)                (None, 128)               131584
_____
dense_2 (Dense)              (None, 3)                 387
_____
activation_2 (Activation)    (None, 3)                 0
=================================================================
Total params: 249,219
Trainable params: 249,219
Non-trainable params: 0
_____
```

```
Loading Training Data...
X_test.shape:  (519, 50, 100)

Embedding vector of a word present in test set...
[-0.6817311  -0.6276674   1.5813818  -0.26463943  1.07578199  1.53975185
  0.38356503 -0.45795856  1.19999037  0.47646645 -0.14965938 -0.74445103
  0.18443522 -1.87224724 -0.23803342  0.44471928 -1.03011412 -0.07037603
 -0.01377655  0.1949169   0.89693354 -0.61337502  2.72201472  0.57278129
 -1.81080483 -0.33751135 -0.22812751  0.06899858 -1.11148951  0.13577785
  0.5081188  -0.00386324  0.92051186  0.18114805 -1.15111909  1.14354005
  0.28803396  1.68312451  1.47037131 -0.96676225 -0.13011999 -0.73528063
  1.34348181 -0.52281293 -0.22839533 -0.05239034  0.06135805  1.08642423
  0.14646381  0.04605178  0.10094235 -0.60921943 -0.13128605  1.50028154
 -0.7065093   0.22511454  0.33837259  0.39208676  1.07505199 -0.09933878
 -0.21442647  0.47744288 -0.4144244   0.62974039 -0.30872554 -0.70870322
 -1.34085519  0.69801417  0.05462367  0.64955344  1.75895274  0.85509457
  0.38575516 -0.82790399  0.92146948  0.41052646 -0.25104046 -0.05079251
  1.18544417  1.75951684 -0.63276889  1.75436056  0.3557102   0.59323726
  1.93850749  0.74479202 -1.01752353  1.22267464 -0.88080944  0.8584335
 -0.13676678  0.4167178   0.56501116  0.53086275 -0.06865464  0.47140081
  0.98820839  0.90365934 -0.84423294 -1.55739667]
Sentiment Label of Test example[0] [0. 1. 0.]
Data Loaded...
```

Step 5: On Executing testing.py file, It will evaluate the test set over the trained model.

```
Evaluate Model...
519/519 [=============================] - 1s 2ms/step
Test score: 0.8694908078006237
Test accuracy: 0.6570327281951904
```

Note: Make sure that *"LSTM_Keras_model.h5"* and *"Test_Data.h5"* file are kept in the same folder in which *"testing.py"* is present.

--------------------------------END--------------------------------