1. **Data set link:**

<https://github.com/tpsatish95/emotion-detection-from-text/blob/master/datasets/Emotion%20Phrases.csv>

1. **Prerequisites**

* Python or Jupyter notebook have to be installed
* The libraries in the below import statements have to be installed. For example, numpy, pandas, matplotlib, nltk, sklearn etc.
* The following imports are necessary:

import pandas as pd

import numpy as np

from nltk.corpus import stopwords

from nltk import ngrams

from nltk import word\_tokenize

import string

from sklearn.feature\_extraction.text import TfidfVectorizer

from sklearn import svm

from sklearn.model\_selection import train\_test\_split

from sklearn.naive\_bayes import MultinomialNB

from nltk.stem import PorterStemmer

from sklearn import metrics

import matplotlib.pyplot as plt

from sklearn.metrics import confusion\_matrix

import seaborn as sns

1. **Note:**

* The data set has to be either in the Python 3.7 folder (OR) the specific path of the data set has to be mentioned in the read\_csv part of the code.
* Also while running the code through .py file , if graphs are displayed , then you should close that window so that the ,next code runs.
* If you want to test the emotion for any sentence of your choice , then you have to give the new sentence in ‘sent’ part of the code and then run the code.
* If you are running the code in jupyter note book, run it cell by cell so that it can be faster.
* Sometimes the code may take some time to run