Sentiment Analysis

Problem Statement:
Classifying the polarity of the given text, Whether the expressed text is positive or negative.

How-it-works:
It takes reviews as an input applies sentiment analysis and returns the positive response and negative response percentages. (This application processes only textual data).

Use of this application:
The owner of a particular product or let's say any organization if want to know about how it has reached the public then they can use this application and get the feedback in the real-time and make necessary changes immediately so as to minimize the damage if there is any negative talk.

Phase-1(Getting the test set):

- Using python libraries writing python code to get the reviews based on a particular keyword.
- By the end of this phase, we will be having the reviews on which we are applying sentiment analysis.

Phase-2 (Pre-processing the training set):

- Once you get the training set you iterate through the reviews and tokenize them and remove the all unnecessary things, basically, we parse the reviews.
- We use NLTK (natural language toolkit) in doing so.

Phase-3 (Classifying the data):

- Classify the data we got after phase 3 using inbuilt libraries.

Phase-4(Testing):

- Test it on the tweets we get in phase1.

Other Requirements:

- Operating System
- Python Platform(Anaconda, Spyder)

- NLTK package.