1. Load NLTK Tweets: Using this module we will load twitter sentiment corpora dataset from NLTK library.
2. Read NLTK Tweets: Using this module we will read tweets from NLTK and then clean tweets by removing special symbols, stop words and then perform stemming (stemming means removing ing or tion from words for example ORGANIZATION word will become ORGANIZE after applying stem) on each words. Then we will calculate TFIDF vector.
3. Run SVR Algorithm: In this module we will give TFIDF vector as input to train SVR algorithm. This algorithm will take 80% vector for train and 20% vector as test. Then algorithm applied 80% trained model on 20% test data to calculate prediction accuracy.
4. Similarly we will build model for Random Forest and Decision tree to calculate their accuracy.
5. Detect Sentiment Type: Using this module we will upload test tweets and then application will apply train model on those test tweets to predict sentiment of that tweet.
6. Accuracy Graph: Using this module we will display accuracy graph between all algorithms.