**About this project:-**

This project was made by me in order to complete my Coursera certification on course Python: Function Files and dictionary. My certificate can be found attached to this project.

MY task was to build a sentiment classifier, which will detect how positive or negative each tweet is. I had to create a csv file, which contains columns for the Number of Retweets, Number of Replies, Positive Score (which is how many happy words are in the tweet), Negative Score (which is how many angry words are in the tweet), and the Net Score for each tweet.

At the end, I uploaded the csv file to Excel or Google Sheets, and produced a graph of the Net Score vs Number of Retweets.

**STEPS:-**

1. Calculate how many words in the string are considered positive words. Use the list, positive\_words to determine what words will count as positive. The function should return a positive integer - how many occurrences there are of positive words in the text.
2. Calculate how many words in the string are considered negative words. Use the list, negative\_words to determine what words will count as negative. The function should return a positive integer - how many occurrences there are of negative words in the text.
3. Define a function called strip\_punctuation which takes one parameter, a string which represents a word, and removes characters considered punctuation from everywhere in the word.(Hint: remember the .replace() method for strings.)
4. Now, you will write code to create a csv file called resulting\_data.csv, which contains the Number of Retweets, Number of Replies, Positive Score (which is how many happy words are in the tweet), Negative Score (which is how many angry words are in the tweet), and the Net Score (how positive or negative the text is overall) for each tweet. The file should have those headers in that order. Remember that there is another component to this project. You will upload the csv file to Excel or Google Sheets and produce a graph of the Net Score vs Number of Retweets.