

# Sentiment Analysis in Python 3

## Source Code :

```
#load libraries

import nltk

from nltk.corpus import stopwords, twitter_samples

from nltk.sentiment import SentimentIntensityAnalyzer

from statistics import mean

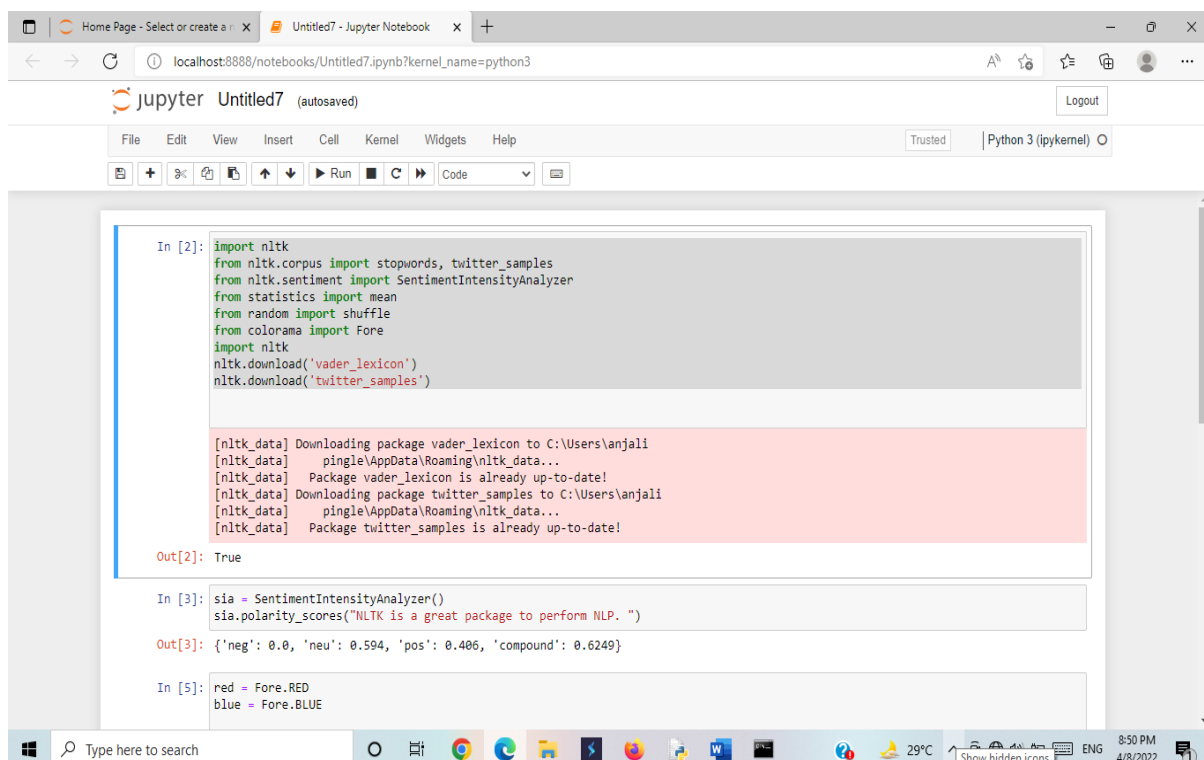
from random import shuffle

from colorama import Fore

import nltk

nltk.download('vader_lexicon')

nltk.download('twitter_samples')
```



```
In [2]: import nltk
from nltk.corpus import stopwords, twitter_samples
from nltk.sentiment import SentimentIntensityAnalyzer
from statistics import mean
from random import shuffle
from colorama import Fore
import nltk
nltk.download('vader_lexicon')
nltk.download('twitter_samples')

[nltk_data] Downloading package vader_lexicon to C:\Users\anjali
[nltk_data] pingle\AppData\Roaming\nltk_data...
[nltk_data] Package vader_lexicon is already up-to-date!
[nltk_data] Downloading package twitter_samples to C:\Users\anjali
[nltk_data] pingle\AppData\Roaming\nltk_data...
[nltk_data] Package twitter_samples is already up-to-date!

Out[2]: True

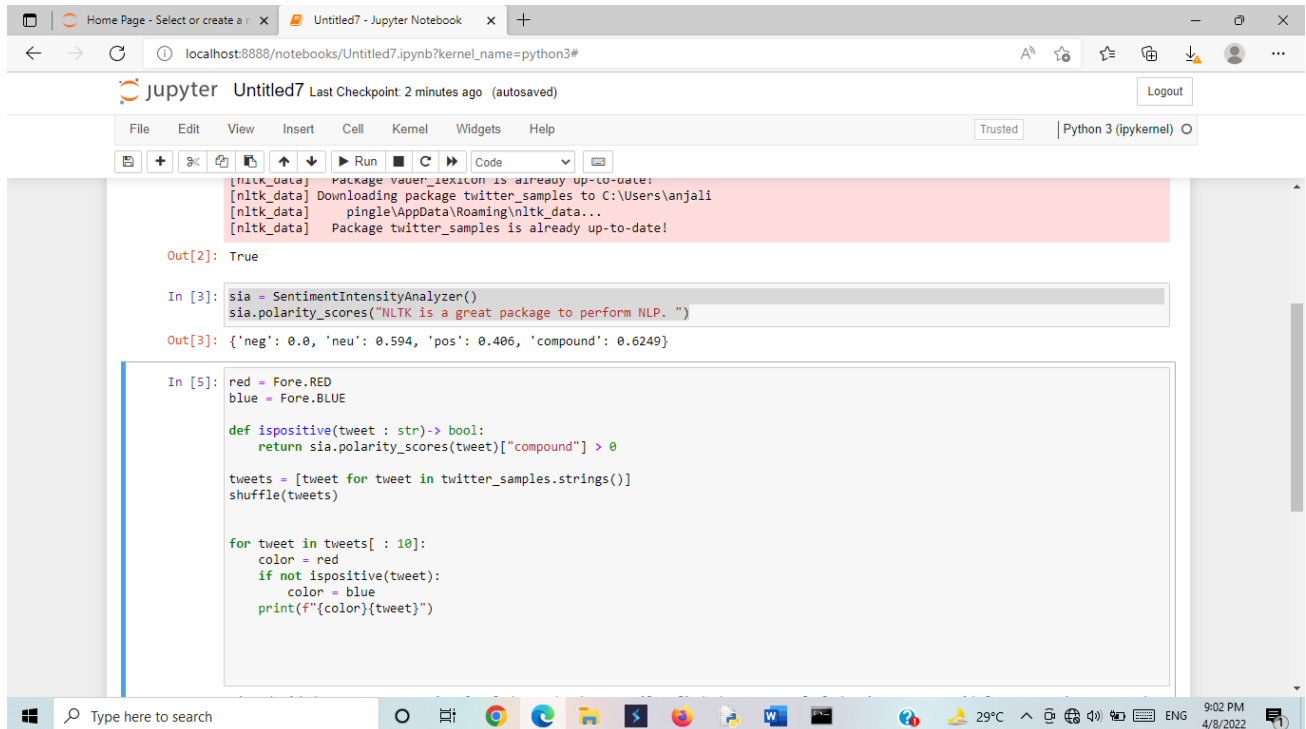
In [3]: sia = SentimentIntensityAnalyzer()
sia.polarity_scores("NLTK is a great package to perform NLP. ")

Out[3]: {'neg': 0.0, 'neu': 0.594, 'pos': 0.406, 'compound': 0.6249}

In [5]: red = Fore.RED
blue = Fore.BLUE
```

```
sia = SentimentIntensityAnalyzer()
```

```
sia.polarity_scores("NLTK is a great package to perform NLP. ")
```



The screenshot shows a Jupyter Notebook window titled 'Untitled7' with a 'Last Checkpoint: 2 minutes ago (autosaved)' status. The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running, and code execution. The code is written in Python 3 (ipykernel). The output shows the installation of the 'vader\_lexicon' package and the execution of the 'SentimentIntensityAnalyzer' class. The final output is a dictionary of sentiment scores for the tweet 'NLTK is a great package to perform NLP. '.

```
[nltk_data] Package vader_lexicon is already up-to-date!
[nltk_data] Downloading package twitter_samples to C:\Users\anjali
[nltk_data]   pingle\AppData\Roaming\nltk_data...
[nltk_data]   Package twitter_samples is already up-to-date!

Out[2]: True

In [3]: sia = SentimentIntensityAnalyzer()
sia.polarity_scores("NLTK is a great package to perform NLP. ")

Out[3]: {'neg': 0.0, 'neu': 0.594, 'pos': 0.406, 'compound': 0.6249}

In [5]: red = Fore.RED
blue = Fore.BLUE

def ispositive(tweet : str)-> bool:
    return sia.polarity_scores(tweet)["compound"] > 0

tweets = [tweet for tweet in twitter_samples.strings()]
shuffle(tweets)

for tweet in tweets[: 10]:
    color = red
    if not ispositive(tweet):
        color = blue
    print(f"{color}{tweet}")
```

```
red = Fore.RED
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blue = Fore.BLUE
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def ispositive(tweet : str)-> bool:
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    return sia.polarity_scores(tweet)["compound"] > 0
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for tweet in tweets[: 10]:
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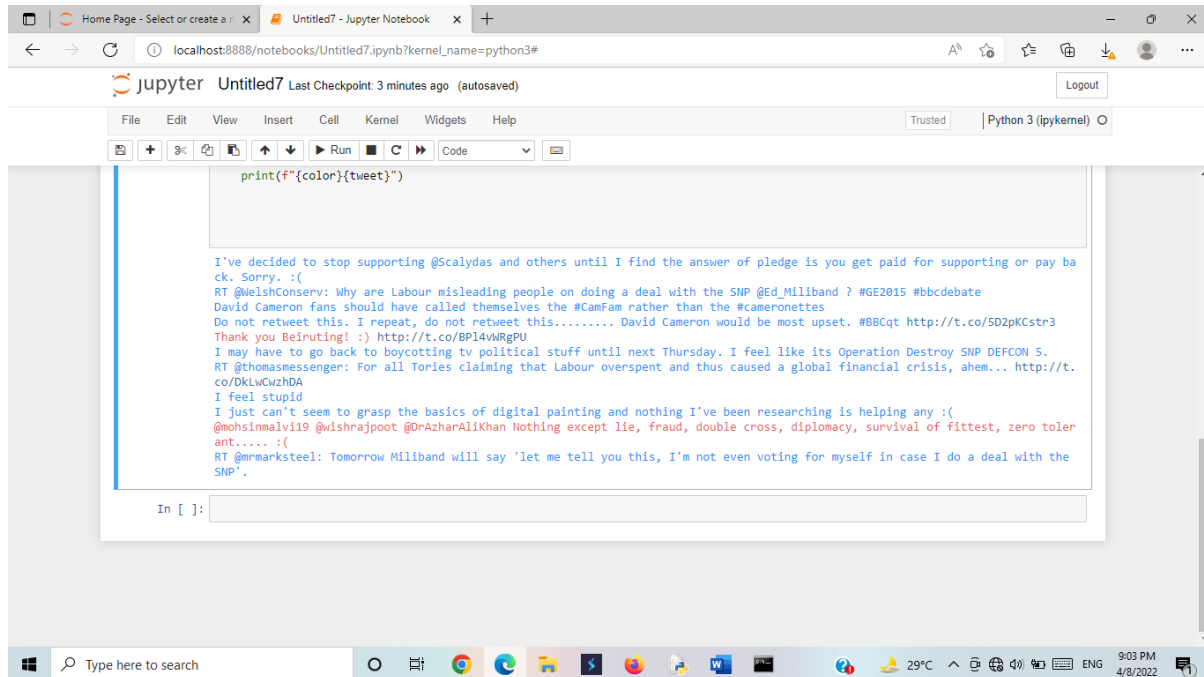
```
    color = red
```

```
    if not ispositive(tweet):
```

```
        color = blue
```

```
    print(f"{color}{tweet}")
```

OutPut :



The screenshot shows a Jupyter Notebook window titled 'Untitled7' running on a local host. The code cell contains a print statement that outputs a tweet. The output is displayed in a separate cell below the code.

```
print(f'{color}{tweet}')
```

I've decided to stop supporting @Scalydas and others until I find the answer of pledge is you get paid for supporting or pay back. Sorry. :( RT @WelshConserv: Why are Labour misleading people on doing a deal with the SNP @Ed\_Miliband ? #GE2015 #bbcdebate David Cameron fans should have called themselves the #CamFam rather than the #cameronettes Do not retweet this. I repeat, do not retweet this..... David Cameron would be most upset. #BBCqt <http://t.co/5D2pKCstr3> Thank you Beiruting! :) <http://t.co/BP14vMgPU> I may have to go back to boycotting tv political stuff until next Thursday. I feel like its Operation Destroy SNP DEFCON 5. RT @thomasmessenger: For all Tories claiming that Labour overspent and thus caused a global financial crisis, ahem... <http://t.co/DkLwCwzhDA> I feel stupid I just can't seem to grasp the basics of digital painting and nothing I've been researching is helping any :( @mohsinmalvi19 @wishrajpoot @DrAzharAliKhan Nothing except lie, fraud, double cross, diplomacy, survival of fittest, zero tolerance..... :( RT @mrmarksteel: Tomorrow Miliband will say 'let me tell you this, I'm not even voting for myself in case I do a deal with the SNP'.