

Spelling Correction in Python

Project Synopsis:

This project deals with spelling check in the words using the module *textblob* in python.

Procedure:

First, we install the module textblob in anaconda prompt (anaconda3)_using the command
"pip install textblob"

```
(base) C:\Users\kaush>pip install textblob
Collecting textblob
  Downloading textblob-0.17.1-py2.py3-none-any.whl (636 kB)
    | 636 kB 2.2 MB/s
Requirement already satisfied: nltk>=3.1 in c:\users\kaush\anaconda3\lib\site-packages (from textblob) (3.7)
Requirement already satisfied: click in c:\users\kaush\anaconda3\lib\site-packages (from nltk>=3.1->textblob) (8.0.4)
Requirement already satisfied: joblib in c:\users\kaush\anaconda3\lib\site-packages (from nltk>=3.1->textblob) (1.1.0)
Requirement already satisfied: tqdm in c:\users\kaush\anaconda3\lib\site-packages (from nltk>=3.1->textblob) (4.64.0)
Requirement already satisfied: regex>=2021.8.3 in c:\users\kaush\anaconda3\lib\site-packages (from nltk>=3.1->textblob) (2022.3.15)
Requirement already satisfied: colorama in c:\users\kaush\anaconda3\lib\site-packages (from click->nltk>=3.1->textblob) (0.4.4)
Installing collected packages: textblob
Successfully installed textblob-0.17.1
```

Once the package gets installed we open the anaconda prompt and then a new 'ipykernel' file.

Once a new file is opened then we import the relevant TextBlob library from textblob.

The code line for installing is from `textblob import TextBlob`

Later we write the following programme:

```
In [7]: from textblob import TextBlob

In [9]: def Convert(string):
        li = list(string.split())
        return li
        str1 = input("Enter your word : ")
        words = Convert(str1)
        corrected_words = []
        for i in words:
            corrected_words.append(TextBlob(i))
        print("wrong words :", words)
        print("Corrected Words are : ")
        for i in corrected_words:
            print(i.correct(),end=" ")

Enter your word : watre mellon
wrong words : ['watre', 'mellon']
Corrected Words are :
water melon
```

Once the code is written we run the programme, check for errors and give the inputs for required spell check and the machine adjusts the spelling, and gives us the output with corrected words.

Happy Coding.

For more about textblob : <https://pypi.org/project/textblob/>

For my full project link : <https://github.com/KaushikNv/Spell-Check-using-python>

Project source and idea : © internet.

Kaushik