Essential Libraries Required for Installation

In [1]:
```
!pip install textblob
!pip install pyspellchecker
!pip install autocorrect
```

```
Requirement already satisfied: textblob in c:\users\hp\anaconda3\lib\site-packages (0.1
8.0.post0)
Requirement already satisfied: nltk>=3.8 in c:\users\hp\anaconda3\lib\site-packages (fro
m textblob) (3.8.1)
Requirement already satisfied: click in c:\users\hp\anaconda3\lib\site-packages (from nl
tk>=3.8->textblob) (8.0.4)
Requirement already satisfied: joblib in c:\users\hp\anaconda3\lib\site-packages (from n
ltk>=3.8->textblob) (1.2.0)
Requirement already satisfied: regex>=2021.8.3 in c:\users\hp\anaconda3\lib\site-package
s (from nltk>=3.8->textblob) (2022.7.9)
Requirement already satisfied: tqdm in c:\users\hp\anaconda3\lib\site-packages (from nlt
k>=3.8->textblob) (4.65.0)
Requirement already satisfied: colorama in c:\users\hp\anaconda3\lib\site-packages (from
click->nltk>=3.8->textblob) (0.4.6)
Requirement already satisfied: pyspellchecker in c:\users\hp\anaconda3\lib\site-packages
(0.8.1)
Requirement already satisfied: autocorrect in c:\users\hp\anaconda3\lib\site-packages
(2.6.1)
```

Correcting a Misspelled Word

In [2]:
```
# importing the necessary package
from textblob import TextBlob
```

Examples :

In [3]:
```
obj = TextBlob("Data Analisis")
print(obj.correct())
```

```
Data Analysis
```

In [4]:
```
obj1 = TextBlob("orenge")
print(obj1.correct())
```

```
orange
```

In [5]:
```
obj2 = TextBlob("Speakar")
print(obj2.correct())
```

```
Speaker
```

Checking The Spelling Mistakes Within A List

In [6]:
```
# Loading Packages
from spellchecker import SpellChecker
```

In [7]:
```
spell = SpellChecker()
```

In [8]:
```
Word_Lists = ['laptoop','pancel','chargar','Boxs','eliphant','neccessary','mirrer']
```

In [9]:
```
for i in Word_Lists:
    print(f"{i} : {spell.correction(i)}")
```

```
laptoop : laptop
pancel : cancel
chargar : charger
Boxs : boys
eliphant : elephant
neccessary : necessary
mirrer : mirror
```

Listing Spell Correction Candidates for Words in a Dictionary

In [10]:
```
for i in Word_Lists:
    print(f"{i} : {spell.candidates(i)}")
```

```
laptoop : {'laptop'}
pancel : {'cancel', 'spancel', 'panel', 'pencel', 'parcel'}
chargar : {'charger'}
Boxs : {"box's", 'bods', 'boxes', 'bots', 'bobs', 'boas', 'boys', 'bops', 'box', 'boss',
'boxy', 'bogs', 'bows', 'boos'}
eliphant : {'elephant'}
neccessary : {'necessary'}
mirrer : {'mirier', 'mirror'}
```

In [11]:
```
# Another Example
myname = "Trisha"
print(spell.correction(myname))
print(spell.candidates(myname))
```

```
trash
{'crista', 'trash', 'triste', 'rishi', 'arista', 'geisha', 'trivia', 'trashy', 'poisha'}
```

Implementing Spelling Check with the Help Of Autocorrect Library

In [12]:
```
from autocorrect import Speller
```

In [13]:
```
Word_List2 = ['Escel','Competer','Rit','Stickar','Comettee','Histry']
```

In [14]:
```
spell = Speller()
```

In [15]:
```
for i in Word_List2:
    print(spell(i))
```

```
Excel
Computer
It
Stick
Committee
History
```

Correcting Individual Misspelled Words in a Sentence

In [16]:
```
# Loading Necessary Packages For This Task
import nltk
nltk.download('brown')
nltk.download('punkt')
nltk.download('averaged_perceptron_tagger')
nltk.download('wordnet')
nltk.download('omw-1.4')
```

```
[nltk_data] Downloading package brown to
[nltk_data]     C:\Users\HP\AppData\Roaming\nltk_data...
[nltk_data]   Package brown is already up-to-date!
[nltk_data] Downloading package punkt to
[nltk_data]     C:\Users\HP\AppData\Roaming\nltk_data...
[nltk_data]   Package punkt is already up-to-date!
[nltk_data] Downloading package averaged_perceptron_tagger to
[nltk_data]     C:\Users\HP\AppData\Roaming\nltk_data...
[nltk_data]   Package averaged_perceptron_tagger is already up-to-
[nltk_data]       date!
[nltk_data] Downloading package wordnet to
[nltk_data]     C:\Users\HP\AppData\Roaming\nltk_data...
[nltk_data]   Package wordnet is already up-to-date!
[nltk_data] Downloading package omw-1.4 to
[nltk_data]     C:\Users\HP\AppData\Roaming\nltk_data...
[nltk_data]   Package omw-1.4 is already up-to-date!
```

Out[16]:
```
True
```

In [17]:
```
from textblob import TextBlob,Word
```

In [18]:
```
Des = TextBlob("I will goo to school tommorrow")
```

In [19]:
```
for i in Des.words:
    corrected_word = Word(i).correct()
    print(i,":",corrected_word)
```

```
I : I
will : will
goo : go
to : to
school : school
tommorrow : tomorrow
```

In [20]:
```
misspelled_sentence = TextBlob("I receeved a pakage yesturday.")

corrected_words = []
for i in misspelled_sentence.words:
    corrected_word = Word(i).correct()
    corrected_words.append(corrected_word)
    print(f"{i} : {corrected_word}")

# Printing The Correct Sentence As Well
    corrected_sentence = " ".join(corrected_words)
print("\nCorrected Sentence:", corrected_sentence,)
```

```
I : I
receeved : received
a : a
pakage : package
yesturday : yesterday

Corrected Sentence: I received a package yesterday
```

In [ ]: