

Practical 1

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Subject : NLP

Aim : Write a python program for spelling correction.

Theory:

Checking of spelling is a basic requirement in any text processing or analysis. The python package `pyspellchecker` provides us the feature to find the words that may have been mis-spelled and also suggest the possible corrections.







First we need to install the required package using the following command in our python environment.

`pip install pyspellchecker`

Now we see below how the package is used to point out the wrongly spelled words as well as make some suggestions about possible correct words.

Conclusion: Hence, successfully completed the python program for spelling mistakes.

Code:



```
# Shivam Tawari A-58

!pip install pyspellchecker
!pip install textblob
!pip install autocorrect
!pip install translate
```

```
✓ [2] from spellchecker import SpellChecker
1s

    spell = SpellChecker()
    print(spell.correction('Noice'))

    nice
```

```
✓ [3] spell.split_words('Ths sentnce has misspelled werds')
0s

    ['Ths', 'sentnce', 'has', 'misspelled', 'werds']
```

```
✓ [4] misspelled = spell.unknown(['let', 'us', 'wakl', 'on', 'the', 'road'])
0s
```

```
✓ [5] for word in misspelled:
0s
    print(spell.correction(word))
    print(spell.candidates(word))
```

✓
1s

```
[('Perceive', 1.0)]
```

0s

```
[('personal', 0.65),
 ('personally', 0.2642857142857143),
 ('peroneal', 0.06428571428571428),
 ('personnel', 0.014285714285714285),
 ('personen', 0.007142857142857143)]
```

0s

```
check = Speller(lang='en')
check('Does this sentennnce have misspelled wordz?')
```

'Does this sentence have misspelled word?'

✓
0s

dictionary for this language not found, downloading...

```
>>>done!
```

0s

Titanic sunk in the ocean