

Correct Spellings with Python using TextBlob

Introduction

In this article, I will take you through how to write a program to correct spellings using the Python programming language. For this task, I will use a Natural Language Processing (NLP) library in Python known as TextBlob.

What is TextBlob?

TextBlob is a Python library for processing textual data. It provides a simple API for diving into common NLP tasks such as:

- Noun phrase extraction
- Part-of-speech tagging
- Sentiment analysis
- Text classification
- Tokenization
- Word and phrase frequency analysis
- Parsing
- n-gram extraction
- Word inflection and lemmatization
- Spelling correction
- WordNet integration
- Support for extensions and additional languages

You can install the TextBlob library using the following pip command:

```
pip install textblob
```

Correct Spellings with Python

Now, I will show you how to write a Python program to correct spellings using the TextBlob library:

Correct Spellings with Python using TextBlob

```
from textblob import TextBlob

# List of misspelled words
words = ["Machne", "Learnin"]
corrected_words = []

# Correct spelling using TextBlob
for i in words:
    corrected_words.append(TextBlob(i))

# Output original and corrected words
print("Wrong words :", words)
print("Corrected Words are :")
for i in corrected_words:
    print(i.correct(), end=" ")
```

Output:

```
Wrong words : ['Machne', 'Learnin']
Corrected Words are :
Machine Learning
```

Conclusion

This is how we can write a simple Python program using the TextBlob library for correcting spelling mistakes. This feature is particularly useful in Natural Language Processing (NLP) projects in the field of Machine Learning.