Spelling correction python program.

Hello everybody

welcome back to this python project.

In this python project we create a python program which helps us to correct the spelling or the typo error

This program suggests and select the more relevant words for misspelled words.

If you give the misspelled word, it gives the correct spelling word.

So, this is one of the basic python projects which helps you to understand more real-world use cases.

Ok, now we can start this python project by opening PyCharm python ide

I use PyCharm

So, I open it and create a new python file.

For that

I click at the top and click new

And click this python file

After that I give the file name

For me I give the name

Spell checker

And when I hit enter

It creates a blank python file

And now I can start writing a code in this blank python file.

Ok,

To start this python project first I want to import important python modules, which helps us to create this spelling checker python program.

For that, I use spellchecker python module

This spellchecker python module is used to help to suggest the more relevant words for misspelled word.

For that

I use this spellchecker python module

Ok, to use this module first you need to install it

For that

At the bottom of PyCharm python IDE you get terminal section and you click it and it opens your python project file path like this

After that you write

Pip install pyspellchecker

And you hit inter it starts to download and install automatically

After that

After you install this python module to your python project

The next is importing it to your project.

For me I already install it, so, I don't install it again

What I will do is

Importing to this project by writing

From spellchecker import spellchecker

From The second SpellChecker

S and C are capital letters

As you see s and c are capital

Like this.

```
from spellchecker import SpellChecker
```

Ok, after that I create an object called spell, by using spellchecker function.

So, spell = SpellChecker ()

```
spell = SpellChecker()
```

After I create a spell object now

I want to write a program which asks the user to inter the mis_spell word

For that I use input() function.

So, I create a variable word

And store the mis_spell word

For that

Word = input()

And inside this input function I pass

The text which is

I give the text to inter the word

So,

I write, inter the mis_spell word: inside the double quote like this.

```
word = input("inter the miss spell word: ")
```

After that

I write the correct word program

So,

Corrected_word = spell.correction()

And I pass the mis spell word

Inside this correction function.

For that I write

Word like this

```
corrected_word = spell.correction(word)
```

Inside the correction function.

After that I want to print this corrected word

For that,

Print()

Corrected_word

Like this

```
print(corrected_word)
```

And now we finish this python project

So, the next is run this python file and see how it works.

So, now I run it and

As you see this program runs perfectly and it aske me to inter the mis_spell word

And now I give any word with wrong spell

And I hit inter it prints the corrected word.

So, in this way you can run and give different mis spell words and this program works perfectly.

Ok, this is all about this python project

I think you get some concepts about this real-world python project

Thanks for watching I will see you in the next video

Thanks again.

!!! The Full Code !!!

```python
# spellchecker
from spellchecker import SpellChecker

spell = SpellChecker()
word = input("inter the miss spell word: ")
corrected_word = spell.correction(word)
print(corrected_word)
```

BY Awoke Zemenu