

# Python Programming Internship Project: Word Counter

## Overview

The Word Counter project is designed to strengthen your understanding of Python programming. The goal is to create a program that counts the number of words in a given sentence or paragraph.

## Objectives

1. Learn to handle user input in Python.
2. Explore string manipulation techniques.
3. Practice creating functions for modular code.
4. Implement basic control flow for program logic.
5. Display the word count as program output.

## Features

1. Prompt the user to input a sentence or paragraph.
2. Implement logic to count the number of words in the input.
3. Print the word count to the console.
4. Handle errors like empty input.
5. Provide a user-friendly interface.
6. Add comments to explain the code.

## Python Code

```
# Python Word Counter Program

def word_counter():
```

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```
# Prompt user for input

text = input("Enter a sentence or paragraph: ")


# Error handling for empty input

if not text.strip():

    print("Error: Input cannot be empty!")

    return


# Split text into words and count them

word_count = len(text.split())


# Display the word count

print(f"Word count: {word_count}")


# Run the word counter program

if __name__ == "__main__":

    word_counter()
```