PROJECT-2

Word Counter (Build a program that counts the number of words in a given text)

PROGRAM:

def count\_words(text):

"""

Counts the number of words in the given text.

Args:

text (str): The input text.

Returns:

int: The word count.

"""

# Split the text into words and count them

words = text.split()

return len(words)

def main():

"""

Main function to execute the Word Counter program.

"""

print("Welcome to the Word Counter Program!")

print("Enter a sentence or paragraph, and I'll count the words for you.")

while True:

# Prompt user for input

user\_input = input("Please enter your text: ").strip()

# Error handling for empty input

if not user\_input:

print("Error: Input cannot be empty. Please try again.")

continue

# Count the words

word\_count = count\_words(user\_input)

# Display the result

print(f"The number of words in your text is:{word\_count}")

break

if \_\_name\_\_ == "\_\_main\_\_":

main()

OUTPUT:

Welcome to the Word Counter Program!

Enter a sentence or paragraph, and I'll count the words for you.

Please enter your text: 7

The number of words in your text is: 1