**Week 2 source**

def word\_counter(text):

"""

Count the number of words in the given text.

Parameters:

text (str): The input text.

Returns:

int: The number of words in the text.

"""

words = text.split()

return len(words)

def main():

"""

Main function for the word counter program.

"""

print("Welcome to the Word Counter!")

while True:

try:

user\_input = input("Enter a sentence or paragraph (type 'exit' to quit): ")

# Check for exit condition

if user\_input.lower() == 'exit':

print("Exiting Word Counter. Goodbye!")

break

# Count words and display result

word\_count = word\_counter(user\_input)

print(f"Word count: {word\_count}\n")

except Exception as e:

print(f"An error occurred: {e}")

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

main()