**Week2 python internship word counter report**

This Python script defines a function called word counter that takes a text input, processes it, and then counts the frequency of each word in the text.

**Here's a brief explanation of the code:**

1. **Regular Expression Explanation:**
   * **re.sub('[^a-z\s]', '', text)**: This regular expression removes everything that is not a lowercase letter (**a-z**) or whitespace (**\s**) from the text.
2. **Word Frequency Counting:**
   * The script uses a dictionary (**word\_freq**) to keep track of the frequency of each word. If a word is already in the dictionary, its count is incremented; otherwise, a new entry is created with a count of 1.
3. **User Input Handling:**
   * The script takes user input using **input("Enter a sentence or paragraph: ")**.
   * It checks if the input is an empty string and prints an error message if so.
4. **Printing Word Frequencies:**
   * After processing the input, the script prints the word frequencies using a loop over the items in the **word\_freq** dictionary.
5. **Exception Handling:**
   * The script uses a try-except block to catch any exceptions that might occur during execution. If an exception occurs, it prints an error message along with the exception details.
6. **Improvements:**
   * The script could be enhanced by handling punctuation better. Currently, it removes all non-alphabetic characters, which might result in incorrect word separation in some cases.
   * Using Python's **collections.Counter** could simplify the word counting process.