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Program Description:

This program allows the user to enter a paragraph and then separates it into individual sentences.  
 It also counts how many sentences are in the paragraph.  
 The program uses a regular expression (regex) to handle tricky cases such as abbreviations (like “U.S.A.”) and decimal numbers (like “310.5”), so those are not counted as separate sentences.

Functions used in the Program:

1. Function Name: split\_sentences

Description: Uses a regex pattern with look-ahead logic to split the paragraph into sentences correctly.

Parameters:

text → the paragraph entered by the user.

Variables:

pattern → regex rule that detects sentence endings (., !, ?) followed by a space and capital letter/number or end of text.

sentences → list of sentences found in the paragraph.

Steps:

Define the regex pattern.

Find all sentence matches using the pattern.

Clean up extra spaces and return the list of sentences.

Returns: A list of individual sentences.

2. Function Name: main

Description: Runs the program, gets input from the user, and displays each sentence with the total count.

Parameters: None

Variables:

paragraph → text entered by the user.

sentences → list returned from the split\_sentences function.

Steps:

Ask the user to enter a paragraph.

Call split\_sentences(paragraph) to get sentences.

Display each sentence with a number.

Print the total count of sentences.

Returns: None (prints results)

Logical Steps (Program Flow):

The user types or pastes a paragraph.

The program sends that paragraph to the split\_sentences function.

The function uses regex to find and separate each sentence.

The program prints each sentence on its own line with a count.

Finally, it prints the total number of sentences found.

Link to your repository:

<https://github.com/facundolambrecht08/COP2373>

