**Technical Design Document**

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**Date Created:** October 15th, 2025

**Program Description:** *Using the code in Section 7.4, write a program that will allow me to enter a paragraph, including sentences which begin with numbers. Display each individual sentence and the count of sentences in the paragraph. You should have at least two functions, but you could have more.*

**Functions used in the Program (list in order as they are called):**

1. **Function Name:** Split\_sentences

**Description:** This function takes the paragraph that the user inputs and splits the sentences to count it.

**Parameters:** paragraph (contains the sentences)

**Variables:** Pattern (labels where the sentences will be divided/split)

**Logical Steps:**

1. User inputs paragraph
2. Code runs the paragraph
3. Splits the paragraph into sentences based on its punctuation
4. Counts how many sentences there are split.

**Returns:**

List of individual sentences (string)

2. **Function Name:** display\_results

**Description:** display the divided sentences on their own separated

**Parameters:** sentences (list of sentence strings, split\_sentences)

**Variables:** individual sentences for print

**Logical Steps:**

1. Takes the results
2. Prints out the individual sentences
3. Prints out the answer to how many sentences there are in the paragraph input.

**Returns:** no return

**Logical Steps:**

1. Code asks user to enter a paragraph
2. User enters the paragraph
3. Code takes the paragraph and separates the sentences to have them individually
4. Code now prints out results, and details how many sentences were counted in the paragraph input.

**Link to your repository:** <https://github.com/EdgarJCebo/Programming-Concepts-2/blob/main/Edgar%20Cebollero_Programming%20Exercise_%237.py>

**Output Screenshot:**

**A screen shot of a computer program

AI-generated content may be incorrect.**