**Technical Design Document Template**

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**Program Description:**

This program takes a paragraph that the user enters, and then it splits it into sentences, tells the user how many sentences there are, and displays each sentence in a numbered list.

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

1. **Function Name:** main

**Description:** This is the main function in the program. This function is responsible for storing variables (including the paragraph that the user typed. This function also displays the results of the program.

**Parameters:** N/A

**Variables:** paragraph: The paragraph that the user entered.

sentences: This holds the list of sentences made from splitting the paragraph.

**Logical Steps:** The function creates the variables, then calls the get\_sentences function, and then displays the results after the paragraph is split into sentences by the get\_sentences function.

**Returns:** N/A

2. **Function Name:** get\_sentences

**Description:** This function is responsible for splitting the paragraph into sentences and putting those sentences into a list.

**Parameters:** paragraph: The paragraph that the user entered.

**Variables:** paragraph: The paragraph that the user entered.

sentences: The list of sentences in the paragraph.

sentence\_format: Holds the format to determine where the sentences are in the paragraph and how many of them there are.

**Logical Steps:** Receive paragraph parameter, split the paragraph into sentences and put them into a list, and then return results.

**Returns:** sentences list

**Logical Steps:**

1. Import re (Imports regular expressions into the program.
2. Declare variables
3. User enters the paragraph
4. Call get\_sentences function.
5. Split paragraph into sentences and put them in a list.
6. Return
7. Display results.

**Link to your repository:** <https://github.com/Philip7454/COP2373>

**Output Screenshot: (make sure big enough so I can see)**

A black screen with white text

AI-generated content may be incorrect.