**Technical Design Document**

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**Program Description:**

This program asks the user to enter a paragraph that may also begin with numbers. It will then divide the paragraph into individual sentences displaying each one the paragraph has as well as the sentence count.

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

1. **Function Name:** get\_paragraph()

**Description:** Asks the user to enter a paragraph that can also start with numbers.

**Parameters:** none

**Variables:**

* paragraph - str

**Logical Steps:**

* Ask the user to enter a paragraph

**Returns:** paragraph – a string

2. **Function Name:** split\_sentences(paragraph)

**Description:** Divides the paragraph into individual sentences

**Parameters:**

* paragraph : str

**Variables:**

* sentences : list

**Logical Steps:**

* Function finds the sentence pattern in paragraph
* Divides individual sentences
* Returns a list of all the sentences divided

**Returns:** List of the individual sentences

3. **Function Name:** display\_sentences(sentences)

**Description:** Displays each sentence in order found and the total number of sentences

**Parameters:**

* sentences - list

**Variables:**

* count - int

**Logical Steps:**

* Prints the title of individual sentences
* Loops through each individual sentence
* Displays the sentences found in order and the total number of sentences found

**Returns:** nothing

4. **Function Name:** main()

**Description:** Calls all three of the functions to detect each sentence in a paragraph

**Parameters:** none

**Variables:**

* paragraph : str
* sentences : list

**Logical Steps:**

* Call the get\_paragraph() function to ask user for a paragraph
* Call the split\_sentences(sentences) function to divide the paragraph into individual sentences
* Call the display\_sentences(sentences) function to display the sentences found in order as well as the total number of them

**Returns:** nothing

**Logical Steps:**

1. main()
2. get\_paragraph()
3. split\_sentences(sentences)
4. display\_senetences(sentences)

**Link to your repository:** <https://github.com/Roboriko/PythonCOP2373>

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

A computer screen with many colorful lights

AI-generated content may be incorrect.