**Programming Exercise 7**

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**Program Description:**

Prompts user to enter a paragraph, then returns the number of sentences in the paragraph and displays each sentence.

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

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

**Description:** Prompts user for their paragraph, and displays the number of sentences and each one.

**Parameters:** none

**Variables:**

* Paragraph(string): user’s paragraph
* Sentences\_in\_paragraph(list): a list of each sentence in user’s paragraph
* Sentence(string): a variable in a for loop containing the individual sentence in user’s paragraph, to be displays to the user.

**Logical Steps:**

1. Prompt user for paragraph
2. Sends paragraph to sentence\_finder
3. Displays the number of sentences, then each sentence.

**Returns:** none

2. **Function Name:** sentence\_finder(paragraph)

**Description:** Uses a regular expression pattern to find each sentence in the passed in paragraph.

**Parameters:** paragraph(string): variable holding the input paragraph by user from main().

**Variables:**

* Paragraph(string): variable holding the input paragraph by user from main().
* Sentence\_expression(string): raw string holding the regular expression pattern uses to find the sentences in user’s paragraph
* Sentences\_in\_paragraph(list): a list of each sentence in user’s paragraph.

**Logical Steps:**

1. Initializes variables
2. Finds the sentences in the passed in paragraph, assigns to a list
3. Sends the list back to main()

**Returns:** A list containing strings of each sentence in the passed in paragraph

**Logical Steps:**

1. Main() calls sentence\_finder

**Link to your repository:** https://github.com/dyhlan/COP2373

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

A screen shot of a computer

AI-generated content may be incorrect.