**Program Description:**

A program that splits up sentences and numbers them for the user.

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

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

**Description:**

Splits a paragraph into individual sentences while ensuring that numbers at the beginning of sentences are not mistaken for sentence breaks.

**Parameters:**

1. paragraph (str) - The user-entered paragraph.

**Variables:**

1. sentence\_pattern (str) - A regular expression (regex) that matches sentence ending punctuation such as ., !, ? followed by a space.
2. sentences (list): A list of split sentences obtained using re.split().

**Logical Steps:**

1. Define a regex pattern: r'(?<!\d)[.!?] +'
2. Use re.split(sentence\_pattern, paragraph.strip()) to split the paragraph into sentences.
3. Remove leading and trailing spaces from each sentence using list comprehension.
4. Return the list of cleaned sentences.

**Returns:**

List of sentences.

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

**Description:**

Prints each sentence in a numbered list and displays the total count of sentences.

**Parameters:**

sentences (list) - A list of each sentence extracted from the paragraph.

**Variables:**

1. i (int) - Counter variable for numbering sentences.
2. sentence (str) - Each sentence from the list.

**Logical Steps:**

1. Print "Extracted Sentences:" as a header.
2. The actual sentence text.
3. Print the total number of sentences at the end.

**Returns:**

Prints the sentences.

**Logical Steps:**

1. Asks the user to input a paragraph/sentence.

2. Uses regex to split up the sentences.

3. Displaying Sentences.

4. Program Execution (Main Block).

A screen shot of a computer program

AI-generated content may be incorrect.

**Link:** <https://github.com/Art389/COP-2373>