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**Program Description:**

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

1. **Function Name:** sentence\_finder()

**Description:** Finds each sentence in the string and create a list with all of them.

**Parameters:**

1. string – string that sentences are to be found in

**Variables:**

* 1. string – string passed into function to compare pattern to
  2. pat – real expression that repeats any number of alphanumeric characters, followed by a punctuation mark. It also looks ahead to make sure that the string either ends or starts another sentence afterwards.
  3. sentence\_list – list from re.findall() that contains each sentence

**Logical Steps:**

1. Create pattern to match with sentences
2. Find each sentence in string
3. Return the match value

**Returns:**

1. sentence\_list
2. **Function Name:** main()

**Description:** Gets input from user and displays the number of sentences and then each sentence

**Parameters:**

1. None

**Variables:**

* 1. paragraph (str) – input by user. The sentences in it will be found
  2. sentence\_list (list) – returned from sentence\_finder() when paragraph is passed to it. It is a list with each sentence in the paragraph string

**Logical Steps:**

1. Paragraph is input by user.
2. Sentence finder function is called and a list with each sentence in the paragraph is created.
3. If the length of the sentence list is 0, meaning there are no sentences, print that there are no sentences.
4. Else, there have to be sentences, so print the amount and each sentence.

**Returns:**

1. None

**Logical Steps:**

1. Import real expressions module.
2. Call main().
3. main() calls sentence\_finder().

**Repository Link:** <https://github.com/coppajo/COP2373>

A screenshot of a computer

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