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**Program Description:** Using the code in Section 7.4, write a program that will allow me to have any number of sentences, including sentences which begin with numbers. Display the sentences and the count of sentences.

**Functions used in the Program:**

**Function Name:** sentence\_allower()

**Description:** A function, using different variables, as well as regular expression pattern to signify what is a sentence by the ending punctuations, that asks user to write sentences then press done when they are ready to end the program and DOTALL and MULTILINE flags to respect sentence/line boundaries and let longer sentences be written. The program ends with the code printing how many sentences the user wrote.

**Variables:**

input\_text: used to collect lines from user and it appends to a list

line: used to read live input from user

combined\_text: stores all input as string

pat: the actual regular expression pattern used to detect sentences

sentences: stores detected sentences that are ready to be printed

**Logical Steps:**

1. Import **re** to prepare code to work for regular expressions.
2. Create function called sentence\_allower()
3. Ask user to write sentences, then write “done” when they wish to break the code.
4. Prepare a while loop, in this case to make sure several sentences can be written until user breaks it themselves.
5. Set lines into a string and use a regular expression pattern to signify when the sentence ends based on ending punctuation.
6. Detect sentences using DOTALL and MULTILINE flags to help find them.
7. Once detected, collect them and display them as well as the number of sentences the user really wrote once the user types “done.”

LINK: https://github.com/aidanritchie44/COP2373