Assembly Error Checker

To get started move AEC.exe into your working directory, open the terminal, and cd to your working directory.

The general format for the code will be AEC <filename> -command

Some systems like you to add .\ beforehand.

A typical input would look like: .\AEC homework1.s -e

Commands:

-h – Help – Will print to console how to operate the error checker

-e – Errors – Will print to console typical errors within your code

-m – Metrics – Will print to console metrics about your code

-r – Report – Will make a report folder within your working directory and place the output of both errors and metrics to it as a text file.

-t – Folder – The second parameter will be a <directorypath> instead of a single file and will make text reports of every .s file in that folder.

-c – CSV – Will print out some of the metric information as a .csv file

-v – Folder CSV – The second parameter will be a <directorypath> and will read all the .s files found in that folder and make csv files of them

\*\*\*Important Note\*\*\*

The general expectation with this helper is that labels are never reached by simply allowing the program to flow down. You can do that, except for subroutines, but be aware that it will throw a false positive with this helper.

Another source of common false positives is with strings in the .data section not ending with \n. Patterns used for input and clearing the buffer generally do not need to, but most other strings do.