

Dynamic 2D Arrays

- Read in an input file whose name is given as the second argument on the command line.
 - If no file exists, prompt the user for the filename
- Open the file.
 - Count the number of lines in the file
 - Each word will be on its own line.
 - No line will be larger than 500 characters.
- Create a ragged 2D array.
 - The number of rows will be equal to the number of lines in the file.
 - Each row will be an array of the appropriate size to hold the word read in.
 - Copying the word into each created row.
- After all words have been read in:
 - Close the file
 - Loop through the 2D array and create a histogram of the word lengths.
- Print to the screen, the longest word and its length, the shortest word and its length, the average word size.
- Clean up your 2D array
- Exit the program

Specifications

- Use a 3 file format with main being named cscd240_w13_lab9.c
- Create a basic makefile
- Use modularity

To Turn In:

A zip file:

- All C code and makefile
- Your testing files
- Output run named cscd240_w13_lab9out.txt

