

Reversing words using stacks:

Utilizing the idea that a stack is FILO i realized there is a simple way to reverse one word. If we treat the string as an array of characters, we can push onto the stack character by character starting from the zero index. Once that is done we can simply put the characters back in the string aging character by character starting from the zero index. Since in the stack the last character in is the first out, this will result in the word being reversed.

As for reading off a file, we read in word by word, run the function on each word and then output that word which results in all the sentences being reversed.

