



CSC1310: LAB 7

THIS LAB IS TO BE COMPLETED ALONE.

This means that you can't share your code with anyone except for Ms. Crockett, your lab instructors, or the CSC1310 TAs. You may verbally discuss the lab assignment with your peers, but showing/sharing code is considered academic misconduct for this assignment (same as programming assignments in lecture).

CONCEPTS

- Stacks
- Files

DESCRIPTION

File Reverser using Stacks



Write a program that reads a text file (provided) and then prints to a separate text file all the data, but in reverse order. The resulting file should be the best movie quotes from Steel Magnolias (<https://www.imdb.com/title/tt0098384/>)

SPECIFICATIONS

STACK CLASS

You will have a header file that contains a Stack class specification and member function definitions. This should be a template class that can accept any data type. The stack should be implemented using a linked list.

The Stack class should have the following member functions:

- Constructor
- Push
- Pop
- isEmpty

FILEREVERSER.CPP

Name your program `fileReverser.cpp`.

Your program should use the Stack class.

In order to write a text file in reverse to a separate file, you will have to open the text file (named `file1.txt`) and read its contents into a stack of characters. Then, pop those characters from the stack and save them in a second text file (named `file2.txt`).

This resulting file should contain a readable file of Steel Magnolias movie quotes.

WHAT TO TURN IN

Zip all the following files and upload to ilearn.

- fileReverser.cpp
- Stack.h
- file1.txt
- file2.txt