

OS Assignment 5

Question 2

In this assignment, we implemented a text editor with advisor file locks.

I have implemented a rudimentary text editor that can add lines to a file, remove lines from a file, edit a file, and read the contents of the file. This is done using a doubly-linked list that stores the text and the changes. We are also able to move up and down the lines by traversing the DLL. An option to save the file is provided (as well as an option to exit without saving the file.)

The advisory file lock is implemented using flock(). The file is opened using open() and its file descriptor is passed to flock. If the file is already in use then a warning message is displayed and the user is given an option to not continue.