

SYSTEM PROGRAMMING (CSE344) – HMW1

REPORT:

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HOW I SOLVED THIS PROBLEM?

I progress character by character and after the desired characters are found, I perform the necessary transformations. I'm using the buffer and the pointer in the structure while moving character by character. In addition, I defined int values to act as flags in the structure section, and when I encountered special characters, I set the value of these flags to 1 and performed my operation. And I wrote functions that return a value for each special character. I wrote a separate function for each section in terms of code efficiency. In these functions, I only return values according to the if conditions, and then I use these functions to perform operations on the file.

HOW I MADE DESIGN DECISION?

I used the pointers to convert the words in the file into the desired word, and if the characters match, I found those words and transformed them into the desired words with the help of the markers I kept in the structure. I used buffer for the change process, I wrote the process directly through buffer and ended the process by changing the same file. After separating the special characters inside the parse function, I call the Parse function inside the bufRecord function and perform my operation according to the flags that I have defined in the structure.

WHICH REQUIREMENTS I ACHIEVED AND WHICH I HAVE FAILED:

- I did parts a,b,d,e,f of the homework , but I could not do parts c and g. Apart from that, there is no memory leak and I have successfully done all error checks. I check the compilation warnings (with respect to the -Wall flag) and there is no warning. I control error checking for open, read and write file.