

EECS 2032Lab 6
Fall 2019

In this lab, you will write 2 programs to introduce you to file read and write

lab6_1

In this part, you will write a small program to read a text file and store it removing all new lines from the input file and replacing it with another character. The input text files consists of records, each record is on a separate line. Read this file and store the records separated by a byte with a binary value of 16 and then write it to the output file.

Specification

- Input file name is lab61.txt
- The maximum record length is 100 bytes
- records may contain spaces or tabs, but not new line (new line is the record terminator)
- The output file name is lab61out.txt
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Submit as lab6_1.c to LAB6

lab6_2

In this lab, you will write a C program to encrypt a file. The program prompts the user to enter a key (maximum of 5 bytes), then the program uses the key to encrypt the file. Note that the user might enter more than 5 characters, but only the first 5 are used.

If a new line before the five characters, the key is padded with 'a'; Note that the new line is not a part of the key, but the a space or tab is. The encryption is the Exclusive-OR of the text with the key.

Specification

- Input file name is lab62.txt
- Output file name is lab62enc.txt
- The prompt is "Please enter the key : " without the quotes
- lab62.txt is a regular text file that may include spaces, tabs, or new lines.

Submit as lab6_2.c to LAB6

