

Advanced Programming COEN 11

Lab 9

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Your text file will be encrypted

➤Encrypting

- When saving the text file, xor each character with a key before writing it to the file
 - sprintf, xor loop, fprintf

➤Decrypting

- When reading the text file, xor each character read from the file before inserting the data in the list
 - fgets, xor loop, sscanf

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The same key is used to encrypt and decrypt

➤The key is argv[3]

- In main, use atoi to convert the string to an int
- Pass the int key to the save and read functions
- The key should fit in one byte:
 - The key should be a number between 0 and to 255

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Use a macro to test if the dept value is valid

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To receive full credit

- Pre-lab (10%)
 - Pseudo-code for the functions saving to and reading from the text file
- Demo (30%)
 - Show the TA
 - Try different keys
- Submit to Camino (60%)