

Advanced Programming COEN 11



- Create a directory for this lab
- Split the code you developed for lab 9 into 3
 .c files
 - main.c, list.c, files.c
- Create a .h file for the definitions and global variables
 - Include (#include) the .h file in each .c file
 - The file containing function main should also declare and initialize the global variables.



- Create a makefile to help in the compilation process
- Use the command make to run the makefile



- 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



- The same key is used to encrypt and decrypt
 - The key is argv[3]
 - In main, use atoi to convert the string to an integer
 - Pass the int key to the save and read functions



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 your makefile and run the command make.
 - Show the TA that your new project executable works.
 - Try different keys
- Submit to Camino (60%)



End