

# Advanced Programming

## COEN 11

Lab 10

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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

# Lab 10

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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## 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%)