Design (Algorithm) for Homework 3

* Comment with my information and description at top of code.
* Create void function to Encrypt the user given text file.
  + Define variables.
  + Ask for user files that are being written to.
  + Check to see if opening file failed.
  + Ask for user given key.
  + While.
    - Test for end of file.
    - Check for upper and lowercase letters.
    - Encryption formula.
    - Item count.
    - Put and get member functions.
  + Close opened files.
* Create void function to Decrypt the user given text file.
  + Define variables.
  + Ask for user files that are being written to.
  + Check to see if opening file failed.
  + Ask for user given key.
  + While.
    - Test for end of file.
    - Check for upper and lowercase letters.
    - Decryption formula.
    - Item count.
    - Put and get member functions.
  + Close opened files.
* Create void function for my information.
  + Cout my information.
* Create int function for User Choice.
  + Declare variable.
  + Ask for user input.
  + While.
    - Check for proper user input.
  + Return user input.
* Create main function.
  + Declare variables.
  + Call display function.
  + Call user choice function.
  + User input to decide which function to use.
  + Do.
    - Encryption.
    - Decryption.
    - Exit.
  + Return.
* END PROGRAM.