COMP500 / ENSE501: Week 11 – Exercise:

EXERCISE NAME: *Secret Decoder*

To complete this exercise, you will need a `secret.msg` file from the *Secret Encoder* exercise.

Write a program that reads in the binary `secret.msg` file one byte at a time. For each byte read, the low and high four-bits must be swapped.

For example, if a byte holds the value `0x16`, this must be swapped to the value `0x61`.

Print out the resulting swapped byte as ASCII characters to decode the secret message.

Ensure the program output is exactly as described, and that the whitespace of your source code is well formatted.