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CS405 Secure Coding

Encryption Week 5

04/04/2025

Encryption and decryption is a security process that allows for data to be opened, read, contents modified, and closed again. Encryption and decryption let us secure our projects. This process uses a key to systematically go through every single character in a string. The key then changes every character as you want it to. The characters are hidden when we want them hidden and they are open and visible only when we allow it. This project specifically used the XOR encryption cipher logic to secure the text file that was provided. I had to make sure I understood where my text file was located on my computer and be sure to set up the process systematically. After encrypting the data, it was saved to a file. These files can be seen in my VSCode folder menu. All data was then saved in a specific format.

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