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CS 405

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Encryption coding

For this assignment, I created thorough code to open a file, encrypt the data, and store it to two new files as encrypted and decrypted.

For the encrypt\_decrypt() method, I just had to alter the for loop. I determined the index of the key character, used the key index to get character from the key, used the iterator to get the character from the string that is stored in the source parameter, and used the XOR operator to store the character to the result variable  
 for the read\_file, I added logic to input the file into the string\_stream variable. I created an if statement that will throw a runtime error if the file fails to open. From there, I stored the contents of string\_stream into the file\_text variable as one full string.

The final task was to alter save\_data\_file. I used the C++ standard library to get the current time to be saved to the file. I also made another if statement that will throw an error if the file fails to load. I used the out file stream to output all of the data to the new file.

A screenshot of a computer

AI-generated content may be incorrect.