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Microsoft Visual Studio Debug Console
Encryption Decryption Test!
Read File: inputdatafile.txt - Encrypted To: encrypteddatafile.txt - Decrypted To: decrypteddatafile.txt
C:\Users\bryce\OneDrive - SNHU\CS-405\EncryptionCoding\x64\Debug\EncryptionCoding.exe (process 19368) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .|
```

1. I updated this line: `output[i] = source[i]` to correctly implement XOR Encryption. This updates the line to properly XOR each character of the source with the corresponding character in the string, wrapping using the modulo operator.
`output[i] = source[i] ^ key[i % key_length];`
2. The `read_file()` function was hardcoded to return a static string. I updated the function to read a file correctly and pass it on.
3. I originally used the `localtime` function to get the current date. Visual Studio informed me that this was not correct and to use the `localtime_s` function instead. This involved a slight restructuring of the function.
4. I added a check to ensure that the file is opened correctly; if it is not, it outputs an error message.