Encryption Coding

Kenneth J Gollaher

CS-405 Secure Coding, Southern New Hampshire

Module 5-2 Activity: Encryption Coding

Professor Ivan Gappy

October 2nd, 2022

Output Results

Text

Description automatically generated

Input Data File

Text

Description automatically generated

Encryption Data File

Graphical user interface, text, application, email

Description automatically generated

Decryption Data File

Graphical user interface, text, application

Description automatically generated

For this week’s activity on encryption coding, I modified the provided code with a few updates. Here we link the input data with a pass key. This pass key is needed for the decryption process. In the above images, you can see the input data file, the encryption data file, and the decryption data file. The input data file as well as the decryption file are readable. The encryption file is not.

First, the input data gets placed into an encrypted text file, which is completely unreadable. Without the key, you are unable to decrypt the text. Using that key, the text is changed into readable data just as the input data file. Using the std::time\_t current\_time format, I am able to implement a time stamp for the last run of the program. Screenshot is below.

A screenshot of a computer

Description automatically generated with medium confidence

Key used for decrypting the file:

const std::string key = "I love cheese and cheese loves me we all love cheese";