Lab 3

Substitution Cipher

Server Team

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# Compilation

# Screenshots

To compile execute the program run the make command in the directory that the zip file is extracted to.

A screen shot of a computer

Description automatically generated

The Cipher.h/Cipher.c module contains all functions pertaining to the creation of a cipher as well as the encryption of a string.

FlexString.h/FlexString.c is used to dynamically create a string size to be able to accept a string of any size.

Colors.h simply contains VTE commands to color the text of the program.

main.c runs the program and uses the modules to run a basic encryption program using the randomized substitution cipher.

# Contributions

Karl re-used and modified the color codes and flex string from previous assignments. He contributed to writing this document.

All group members worked together and simultaneously using VSCode LiveShare to write the initial version of the cipher.

Christian created first draft of document and make the encryption code.

Paul adjusted formatting of the output and adjusted colors to look nicer and implemented make clean in the make file.