Assignment 4
- implemented Caeser Cipher class for encryption/decryption of existing text or text loaded from a file.
- The program gives a choice of whether the user wants to encrypt/decrypt text from memory or their file.
- The program can be executed via a terminal.

Use cases:

```
dlitvakk21@Danas-MBP text-editor % -c main.cpp -o main.o
zsh: command not found: -c
dlitvakk21@Danas-MBP text-editor % g++ -c main.cpp -o main.o
dlitvakk21@Danas-MBP text-editor % g++ -o main main.o
dlitvakk21@Danas-MBP text-editor % nm ceaser.so
/Library/Developer/CommandLineTools/usr/bin/nm: error: ceaser.so: No such file or directory
dlitvakk21@Danas-MBP text-editor % ./main
Enter 'a' to enter text to the end
'b' to add new line
'c' to save TO file
'd' to load FROM file
'e' to print the text to console
'f' to insert text
'g' to search for text
'h' to delete
'i' to undo command
'j' to redo command
'k' to cut text
'l' to copy text
'm' to paste text
'n' to set cursor position
'o' to encrypt text
'r' to encrypt text from file
'p' to decrypt text
's' to decrypt text from file
'0' TO EXIT
```

```
Enter the command: s
Enter the key for decryption: 3
Enter the file name for loading: /Users/dlitvakk21/CLionProjects/text-editor/savetext.txt
Text decrypted!
Enter the command: e
I saw a little bird go hop, hop, hop.
I told the little bird to stop, stop, stop.
He wagged his little tail and far away he flew!I went to the window to say 'How do you do?'
```

```
Enter the command: r
Enter the key for encryption: 3
Enter the file name for loading: /Users/dlitvakk21/CLionProjects/text-editor/loadtext.txt
Text encrypted!
Enter the command: e
Kh zdjjhg klv olwwoh wdlo dqg idu dzdb kh iohz!L zhqw wr wkh zlqgrz wr vdb 'Krz gr brx gr?'
L wrog wkh olwwoh elug wr vwrs, vwrs, vwrs.
L vdz d olwwoh elug jr krs, krs, krs.

Enter the command: c
Enter the file name for saving: /Users/dlitvakk21/CLionProjects/text-editor/savetext.txt
Text saved to file!
Enter the command: e
Kh zdjjhg klv olwwoh wdlo dqg idu dzdb kh iohz!L zhqw wr wkh zlqgrz wr vdb 'Krz gr brx gr?'
L wrog wkh olwwoh elug wr vwrs, vwrs, vwrs.
L vdz d olwwoh elug jr krs, krs, krs.

Enter the command: p
Enter the key for decryption: 3
Text decrypted!
Enter the command: e
He wagged his little tail and far away he flew!I went to the window to say 'How do you do?'
I told the little bird to stop, stop, stop.
I saw a little bird go hop, hop, hop.

Enter the command: h
Enter the number of symbols to delete: 10000
Text deleted!
Enter the command: e
```

```
Enter the command: A
Invalid command! Try again.
Enter the command: a
Enter the text to add: hello! how are you?
Enter the command: e
hello! how are you?
Enter the command: o
Enter the key for encryption: 17
Text encrypted!
Enter the command: e
yvccf! yfn riv pfl?
Enter the command: p
Enter the key for decryption: 17
Text decrypted!
Enter the command: e
hello! how are you?
Enter the command: 
```

```
Enter the command: a
Enter the text to add: hello
Enter the command: e
hello
Enter the command: o
Enter the key for encryption: 2
Text encrypted!
Enter the command: e
jgnnq
Enter the command: p
Enter the key for decryption: 2
Text decrypted!
Enter the command: e
hello
Enter the command: 0
Thanks for using the program!
```

```
Enter the command: a
Enter the text to add: hellllooooo
Enter the command: e
hellllooooo
Enter the command: o
Do you want to encrypt the text from file? (y/n): n
Enter the key for encryption: 3
Text encrypted!
Enter the command: e
khoooorrrrr
Enter the command: p
Do you want to decrypt the text from file? (y/n): y
Enter the key for decryption: 3
Enter the file name for loading: /Users/dlitvakk21/CLionProjects/text-editor/savetext.txt
Text decrypted!
Enter the command: e
I saw a little bird go hop, hop, hop.
I told the little bird to stop, stop, stop.
He wagged his little tail and far away he flew!I went to the window to say 'How do you do?'
```