

Test plan for the assignment 2 and 4

1. Upgraded Insert: now handles two modes (insert and replace)

Here in this simple example firstly insert mode was used and then replace mode

```
C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: insert
Choose mode (1 for insert, 2 for replace): 1
Enter text to insert: text
Enter row number: 0 7
Enter position: Text inserted successfully.
Enter a command or 'help' to see the list of available commands: print
Hello Wtextorld
Enter a command or 'help' to see the list of available commands: _
```

```
Hello Wtextorld
Enter a command or 'help' to see the list of available commands: insert
Choose mode (1 for insert, 2 for replace): 2
Enter text to insert: xode
Enter row number: 0
Enter position: 2
Successfully replaced!
Enter a command or 'help' to see the list of available commands: print
HexodeWtextorld
Enter a command or 'help' to see the list of available commands: _
```

2. Undo and Redo methods with append + methods' limits

```
C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: append
Enter text to append: hello user
Your text was successfully appended!
Enter a command or 'help' to see the list of available commands: print
Hello World hello user
Enter a command or 'help' to see the list of available commands: undo
Undo was successful.
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: undo
You cannot undo further.
Enter a command or 'help' to see the list of available commands: redo
Redo was successful.
Enter a command or 'help' to see the list of available commands: print
Hello World hello user
Enter a command or 'help' to see the list of available commands: redo
You cannot redo further.
Enter a command or 'help' to see the list of available commands: _
```

3. Delete method. Delete method + Undo and Redo

```
C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: delete
Enter row number: 0
Enter position: 5
Enter number of characters to delete: 5
Text deleted successfully.
Enter a command or 'help' to see the list of available commands: print
Hellod
Enter a command or 'help' to see the list of available commands: undo
Undo was successful.
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: redo
Redo was successful.
Enter a command or 'help' to see the list of available commands: print
Hellod
Enter a command or 'help' to see the list of available commands: undo
Undo was successful.
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: _
```

4. Cut Copy and Paste

Cannot paste to the empty rows

```
Microsoft Visual Studio Debug Console
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: copy
Enter a row:
0
Enter a position:
0
Enter an amount of chars to copy (no more than 256):
5
Copied: Hello
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: paste
Enter a row:
1
Enter a position:
5
Invalid position!!
Enter a command or 'help' to see the list of available commands: paste
Enter a row:
1
Enter a position:
0
C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe (process 26650)
de -1073741819.
Press any key to close this window . . . _
```

And to the outside of the text...

```
C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe
Enter a command or 'help' to see the list of available commands: copy
Enter a row:
0
Enter a position:
0
Enter an amount of chars to copy (no more than 256):
5
Copied: Hello
Enter a command or 'help' to see the list of available commands: paste
Enter a row:
0
Enter a position:
14
Invalid position!!
Enter a command or 'help' to see the list of available commands: paste
Enter a row:
0
Enter a position:
7
Pasted successfully!!
Enter a command or 'help' to see the list of available commands: print
Hello WHelloorld
Enter a command or 'help' to see the list of available commands:
```

Can do the cut tho

```
Enter a command or 'help' to see the list of available commands: print
Hello WHelloorld
Enter a command or 'help' to see the list of available commands: cut
Enter a row: 0
Enter a position: 0
Enter an amount of chars to cut (no more than 256): 10
Copied: Hello WHel
Text deleted successfully.
Enter a command or 'help' to see the list of available commands: print
loorld
Enter a command or 'help' to see the list of available commands: paste
Enter a row:
0
Enter a position:
2
Pasted successfully!!
Enter a command or 'help' to see the list of available commands: print
loHello WHelorld
Enter a command or 'help' to see the list of available commands:
```

Cut was made from copy and delete

```
case COMMAND_CUT:
    copyText();
    cut();
    break;
```

```
void cut() {
    int row, position, numChars;

    std::cout << "Enter a row: ";
    std::cin >> row;
    std::cout << "Enter a position: ";
    std::cin >> position;
    std::cout << "Enter an amount of chars to cut (no more than 256): ";
    std::cin >> numChars;

    copy(row, position, numChars);
    deleteText(row, position, numChars);
}
```

5. The program is a bit dotphobic but its okay

```
Enter a command or 'help' to see the list of available commands: copy
Enter a row:
.
Enter a position:
Enter an amount of chars to copy (no more than 256):
Copied: loHel
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
Enter a command or 'help' to see the list of available commands: Unknown command. Please try again.
```

ASSIGNMENT 4

```
Enter a command or 'help' to see the list of available commands: decrypt
Enter a key:
1
Decrypted text: Gdkkn Vnqkc
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: encrypt
Enter a key:
1
Encrypted text: Ifmmp Xpsme
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: decrypt

C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\Debug\ProgrammingParadigms1.exe (process 33236) exited with code
1073741819.
Press any key to close this window . . .
```

Program does not allow to decrypt after encrypt (fixed)

```
C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\Debug\ProgrammingParadigms1.exe
Enter a command or 'help' to see the list of available commands: encrypt
Enter a command or 'help' to see the list of available commands: exit
Exiting...
```

Program crashes after exit command (only if used after encrypt/decrypt tho)

Has something to do with clearing the memory at the end of the program but i tried everything i could have and nothing worked 🙄

After rewriting all destructors decrypt stopped working so i returned to the previous code (last commit)