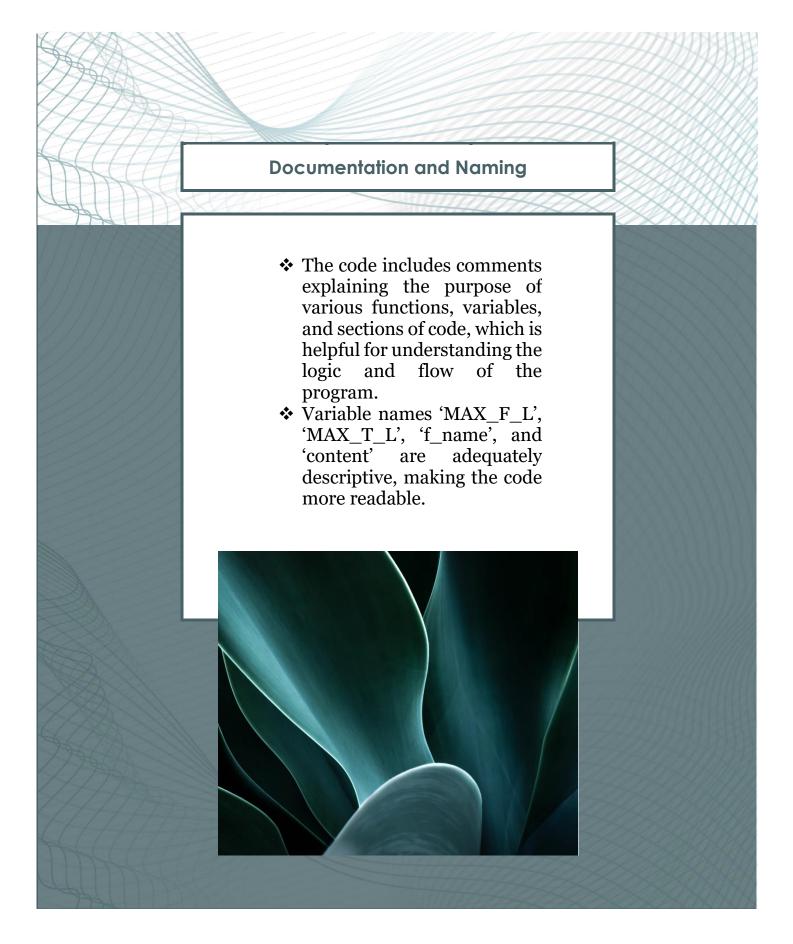
CSCI 12042 Structured Programming II - Coursework

CS/2020/066

23/07/2023

Console Text Editor

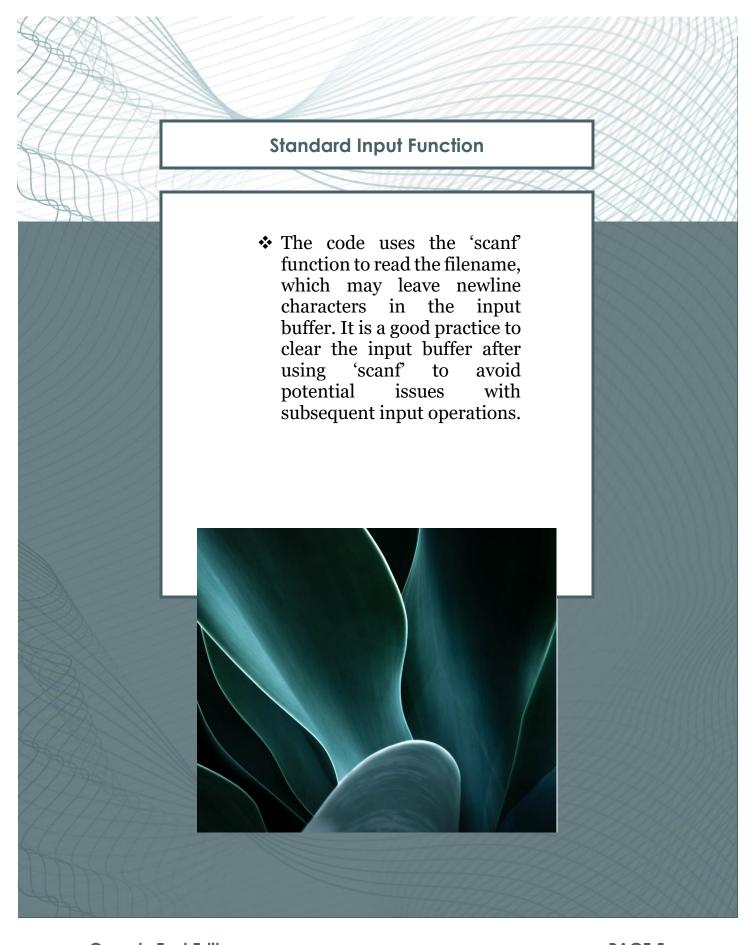


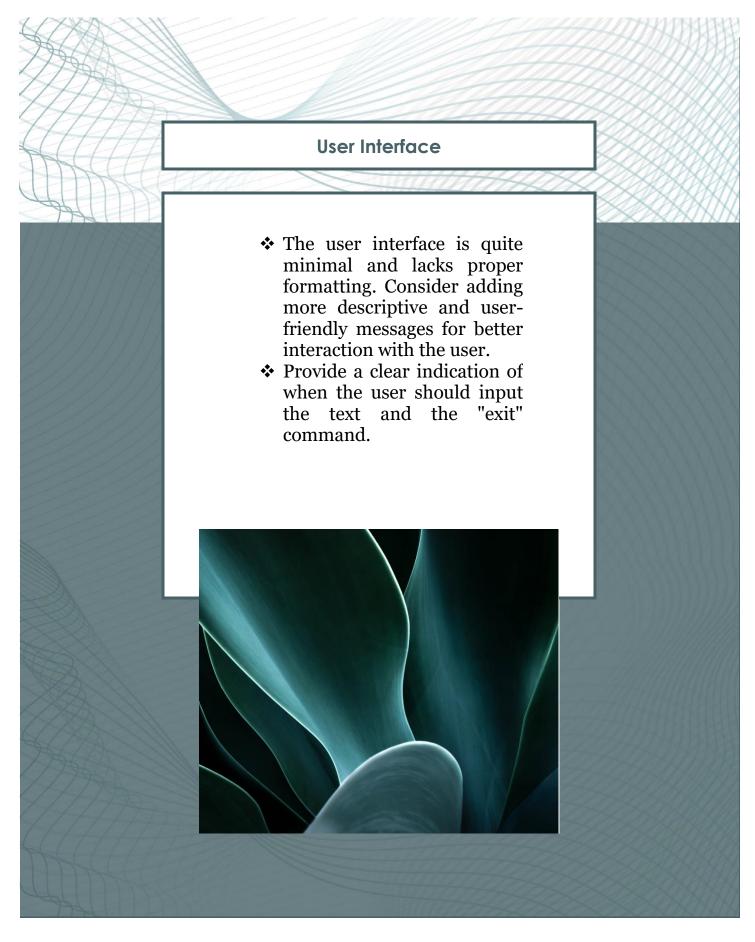


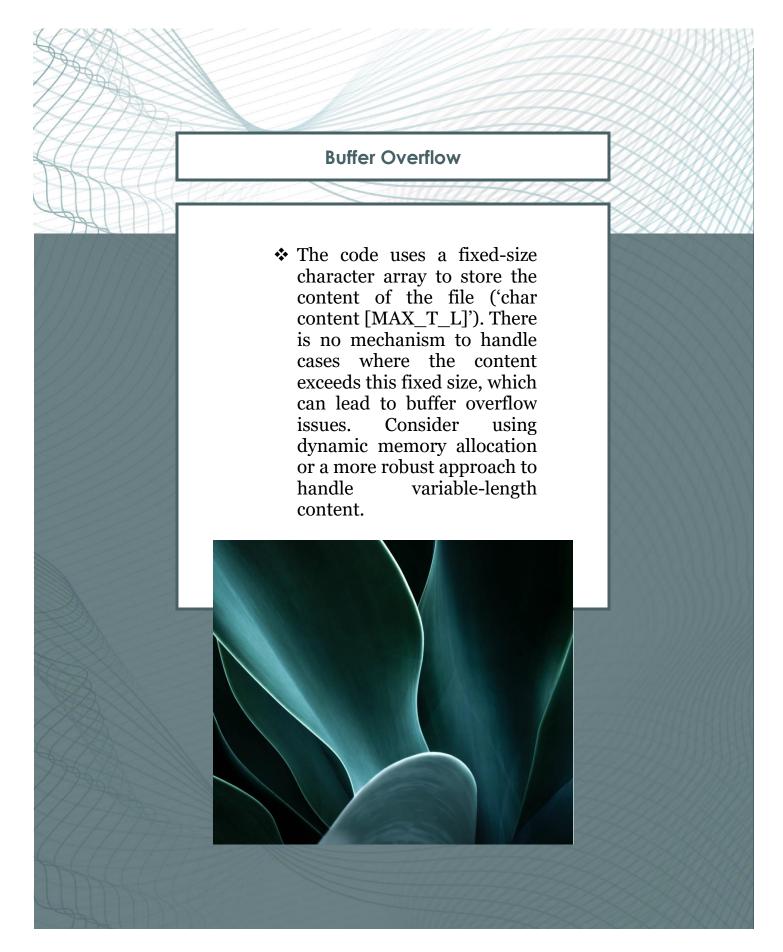
Input Validation

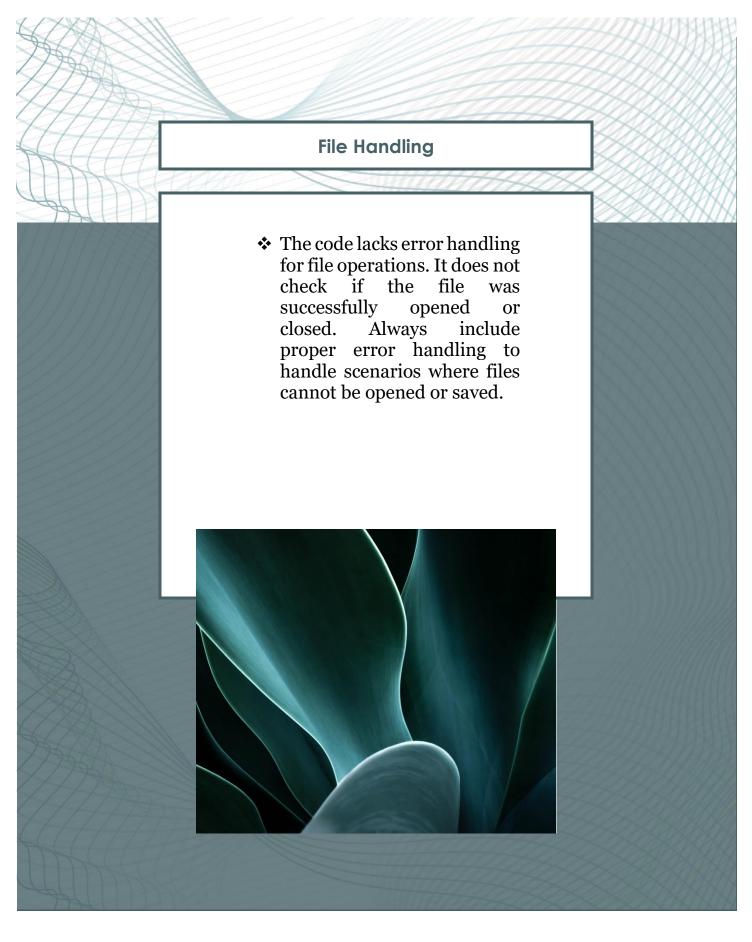
- ❖ The code does not perform sufficient input validation. For example, the filename and content are directly taken from user input, which may lead to buffer overflow if the user enters strings longer than the defined maximum lengths (MAX_F_L and MAX_T_L).
- * Additionally, the code should handle situations where the user enters invalid or incorrect filenames (e.g., with spaces or special characters). Consider adding input validation to prevent such issues.

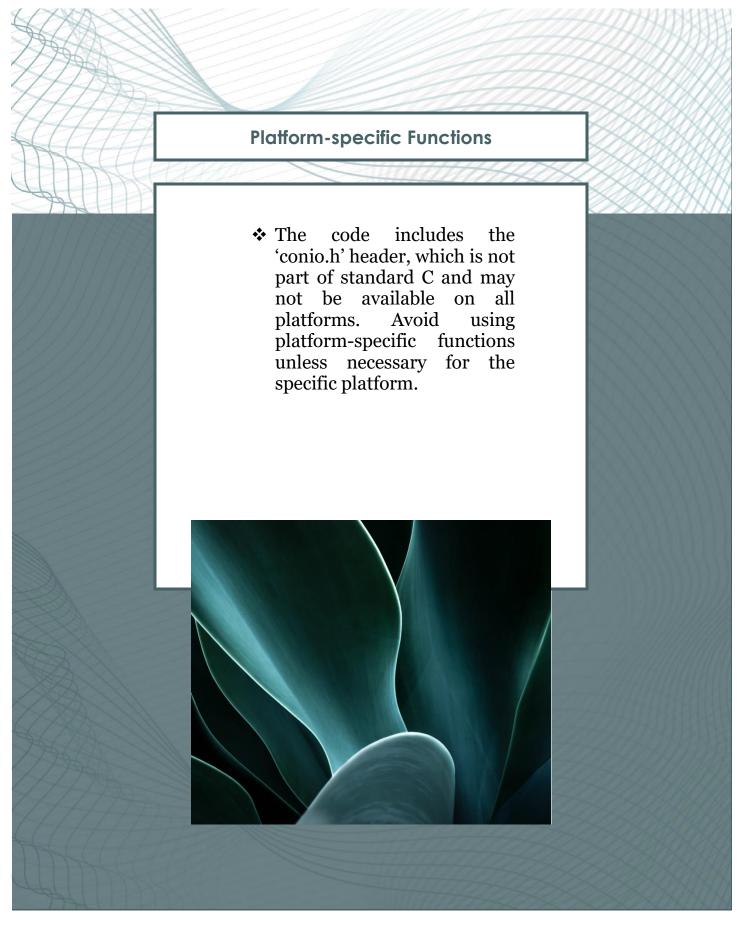


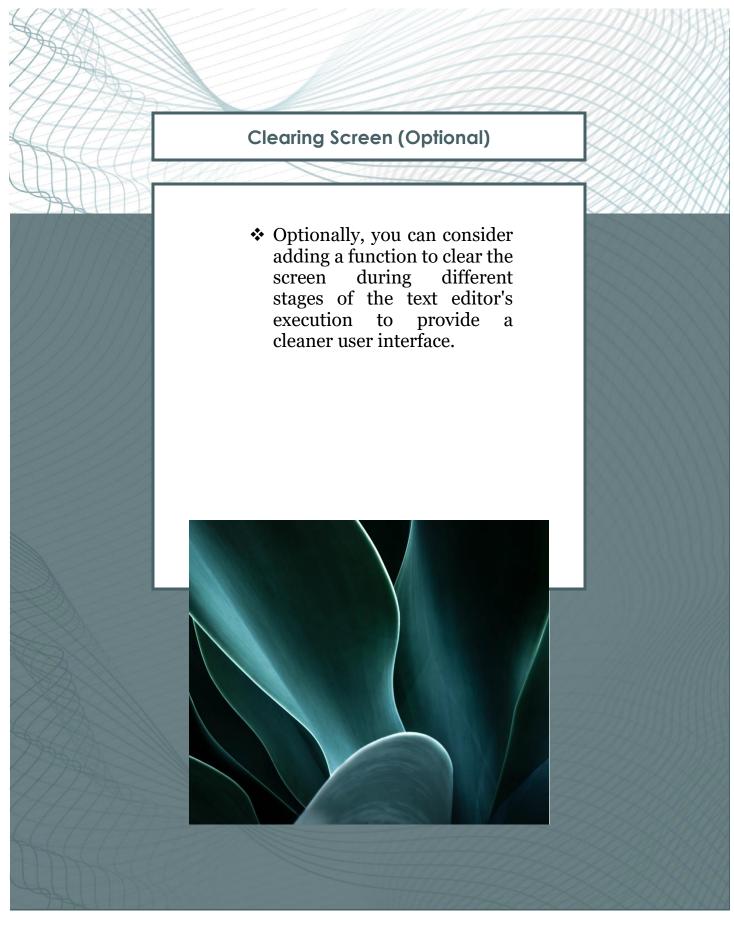














1.

```
Sample - Notepad — X
File Edit Format View Help

Ln 1, Col 1 100% Windows (CRLF) UTF-8
```

2.

```
**C:\Users\YASINSA MAHANAMA\Desktop\C-GNU\text_editor.exe** - X

......CONSOLE TEXT EDITOR......

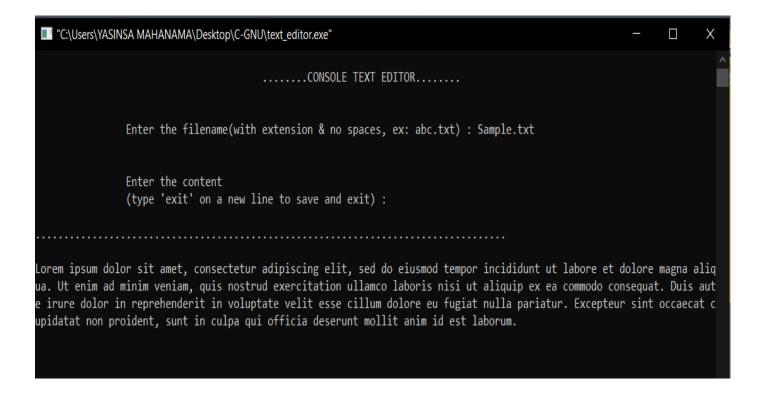
Enter the filename(with extension & no spaces, ex: abc.txt):
```

```
"C:\Users\YASINSA MAHANAMA\Desktop\C-GNU\text_editor.exe"
......CONSOLE TEXT EDITOR.....

Enter the filename(with extension & no spaces, ex: abc.txt) : Sample.txt

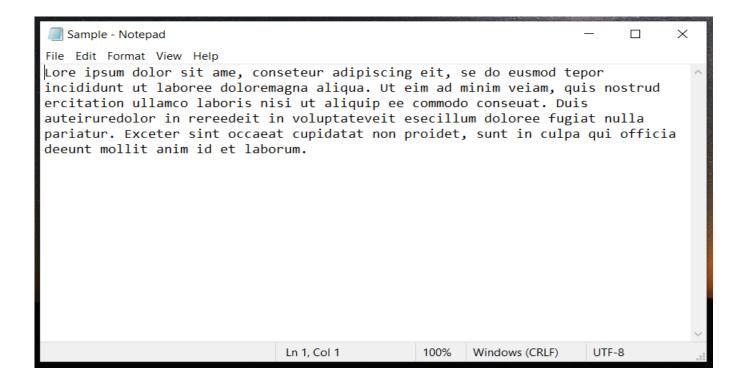
Enter the content
(type 'exit' on a new line to save and exit) :
```

4.





6.



Overall, the provided code is a simple console-based text editor that allows users to enter text and save it to a file. However, it lacks many advanced features and robust error handling. Enhancements can be made to improve the code's functionality, user interface, and error handling for a more reliable and feature-rich text editor.

