DAYANANDA SAGAR COLLEGE OF ENGINEERING

SS MINOR PROJECT 2023-2024

TEXT EDITOR IMPLEMENTATION

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INTRODUCTION

 A text editor is a tool that allows a user to create and edit documents in a computer. Though this task can be carried out in other modes, the word text editor commonly refers to the tool that does this interactively.

MOTIVATION

• A text editor is one of the most versatile system software applications that is found on all computers today. They are used for text manipulation functions like cut, copy, paste, delete and save. The text editor strives to implement a fresh user interface with a number of functions to make the editor useful and simple for the user.

FUNCTIONAL CAPABILITIES

- ☐ Create File
- ☐Add to File
- ☐ Read File
- ☐ Empty File
- ☐ Delete File
- ☐ Copy File
- ☐ List Files
- **□** Exit

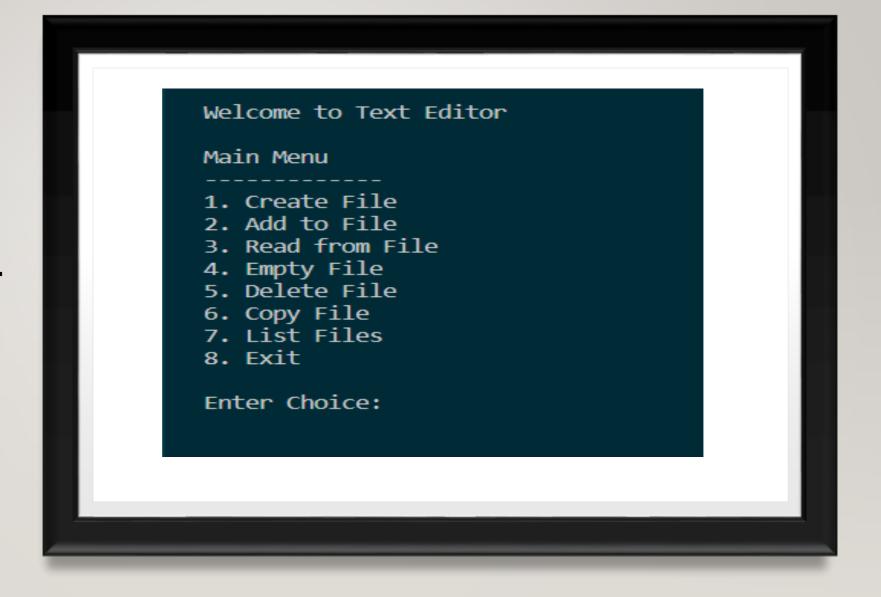
ADOPTED METHODOLOGY

File Handling:

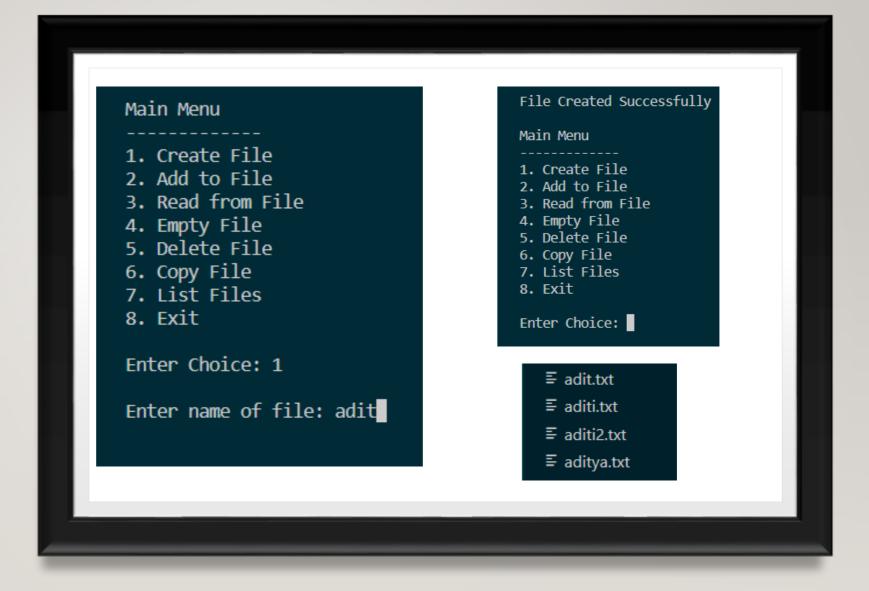
File handling in C++ is **a** mechanism to store the output of a program in a file and help perform various operations on it. Files help store these data permanently on a storage device. The term "Data" is commonly referred to as known facts or information

ios::app	Append: Adding Data in the End of Existing file (eof)
std::string::c_str	Returns a pointer to an array that contains a null-terminated sequence of characters (i.e., a C-string) representing the current value of the string object.
cin.ignore	The cin. ignore() function is used which is used to ignore or clear one or more characters from the input buffer.

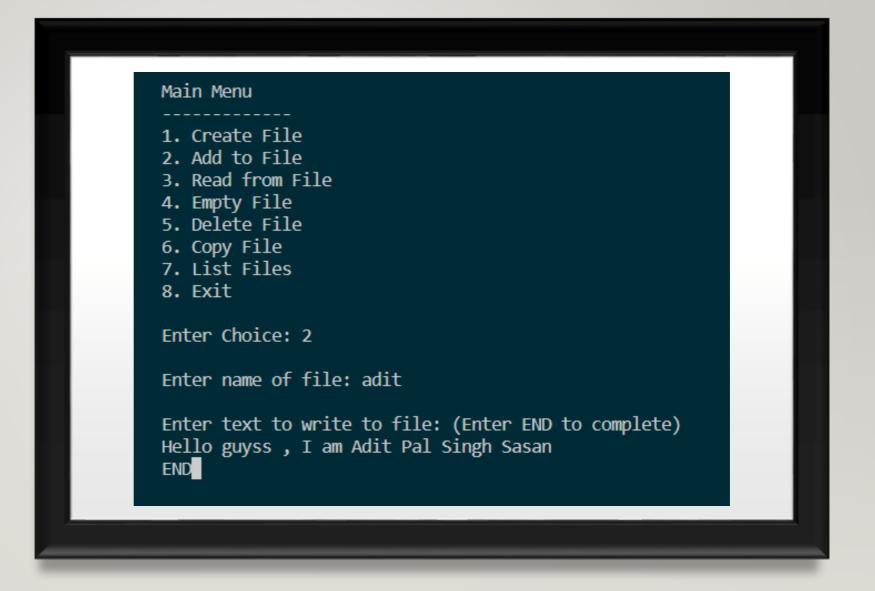
MENU SCREENSHOT



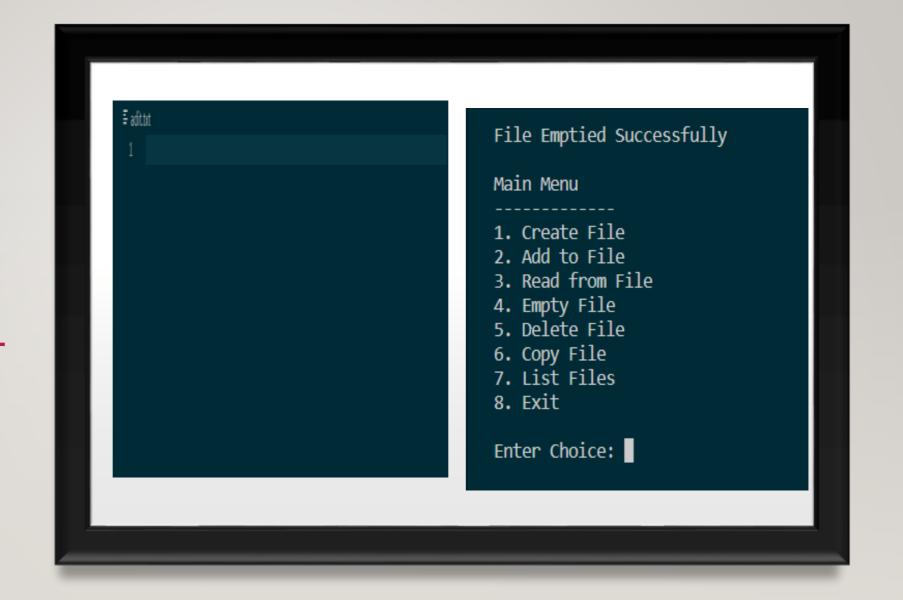
CREATING A FILE



ADDING DATA



EMPTY FILE





COPY

```
Main Menu
1. Create File
2. Add to File
3. Read from File
4. Empty File
5. Delete File
6. Copy File
7. List Files
8. Exit
Enter Choice: [
```

LIST FILES

 adit.txt aditi.txt aditi2.txt aditi3.txt aditya.txt ≡ akj.txt ☐ Text-Editor.C **≡** Text-Editor.exe **≡** Text-Editor2.exe

Main Menu List of Files: adit.txt aditi.txt aditi2.txt aditi3.txt aditya.txt akj.txt Text-Editor.C Text-Editor.exe Text-Editor2.C Text-Editor2.exe Text.exe Main Menu 1. Create File 2. Add to File 3. Read from File 4. Empty File 5. Delete File 6. Copy File 7. List Files 8. Exit Enter Choice:

THANK YOU!