

Lưu ý: Bài quy đổi ra 2 slot short hoặc 1 slot Long

Title

File Handling.

Background Context

A file manager or file browser is a computer program that provides a user interface to manage files and folders. The most common operations performed on files or groups of files include creating, opening (e.g. viewing, playing, editing or printing), renaming, moving or copying, deleting and searching for files, as well as modifying file attributes, properties and file permissions. Folders and files may be displayed in a hierarchical tree based on their directory structure. Some file managers contain features inspired by web browsers, including forward and back navigational buttons.

Program Specifications

File stores information for many purposes and retrieve whenever required by our programs. A file represents a sequence of bytes on the disk where a group of related data is stored. File is created for permanent storage of data. C programming language can handle files as Stream-oriented data (Text) files and System oriented data Binary files.

Function details:

Function 1: Read file

- This feature reads a file entered by the user and displays its contents on the screen. Opening a file means we bring file from disk to ram to perform operations on it. The file must be present in the directory in which the executable file of this code is present.

Function 2: Copy files

- Firstly you will specify the file to copy and then you will enter the name of target file, You will have to mention the extension of file also. We will open the file that we wish to copy in read mode and target file in write mode.

Function 3: Merge two files

- Merges two files and stores their contents in another file. The files which are to be merged are opened in read mode and the file which contains content of both the files is opened in write mode. To merge two files first we open a file and read it character by character and store the read contents in another file then we read the contents of another file and store it in file, we read two files until EOF (end of file) is reached.

Function 4: List files in a directory

- List all files present in a directory/folder in which this executable file is present.

Function 5: Delete file

- Deletes a file which is entered by the user, the file to be deleted should be present in the directory in which the executable file of this program is present. Extension of the file should also be entered, remove macro is used to delete the file. If there is an error in deleting the file then an error will be displayed using perror function.

Expectation of User interface:

- 1) Read file
- 2) Copy files
- 3) Merge two files
- 4) List files in a directory
- 5) Delete file

Choice features: 4

a.out
a.txt
b.txt
pgm.c
pgm1.c
pgm10.c
pgm11.c

Choice features: 1

Enter the name of file you wish to see: a.txt

Hello world!!

Choice features: 2

Enter name of file to copy: a.txt
Enter name of target file: c.txt
File copied successfully!!

Choice features: 3

Enter name of first file: a.txt
Enter name of second file: b.txt
Enter name of file which will store contents of two files: result.txt
Two files were merged into result.txt file successfully!!

Choice features: 5

Enter the name of file you wish to delete: result.txt
result.txt file deleted successfully!!!