**EXPERIMENT 14**

**Construct a C program to organize the file using single level directory**

## AIM:

To construct a c program to organize the file using single level directory

## ALGORITHM :

Step 1: Define Structures

Define structures to represent files and the directory. Step 2: Initialize Directory

Create a function or code segment to initialize the directory structure. Set the initial file count to 0.

Step 3: Add Files

Implement a function or code segment to add files to the directory. This function should handle adding files, updating the file count, and handling errors if the directory is full.

Step 4: List Files

Create a function or code segment to list all the files in the directory. This function should iterate through the file list and print the file names.

Step 5: Delete Files (Optional)

Implement a function or code segment to delete files from the directory. This function should handle removing files, updating the file count, and handling errors if the file is not found.

Step 6: Implement User Interface

Create a user interface for interacting with the program. This could be a menu-driven interface where users can choose to add files, list files, delete files, or exit the program.

Step 7: Test the Program

Compile the program using a C compiler and test it by adding files, listing files, and deleting files. Make sure the program handles different scenarios and errors gracefully.

Step 8: Refine and Expand (Optional)

Refine your program based on testing results. You can also expand the functionality by adding more features, error handling, or optimizing the code.

Step 9: Document Your Code (Optional)

Document your code by adding comments to explain the functionality of different sections of your program. This will make it easier for others (and yourself) to understand the code in the future.

Step 10: Compile and Distribute

Once your program is complete and thoroughly tested, compile it into an executable file. If you want to distribute the program, you can create an installer or provide the executable along with necessary instructions.

## OUTPUT :

A screenshot of a computer

Description automatically generated