**Experiment-26:Construct a C program to implement the file management operations.**

Aim:

To implement basic file management operations in C, including creating a file, writing data to it, reading data from it, and closing the file.

Procedure:

1. Create/Open a File: Open or create a file using the fopen function.
2. Write Data to the File: Write data to the file using fprintf or fputs.
3. Read Data from the File: Read data from the file using fgets or fscanf.
4. Close the File: Close the file using the fclose function.

C Code:

#include <stdio.h>

int main() {

FILE \*file;

char buffer[100];

file = fopen("example.txt", "w");

if (file == NULL) {

printf("Error opening file for writing.\n");

return 1;

}

fprintf(file, "Hello, File Management in C!\n");

fclose(file);

file = fopen("example.txt", "r");

if (file == NULL) {

printf("Error opening file for reading.\n");

return 1;

}

fgets(buffer, sizeof(buffer), file);

printf("Content of file: %s\n", buffer);

fclose(file);

return 0;

}

Output:

A screenshot of a computer

Description automatically generated