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

**Aim:**

To implement a C program demonstrating file management operations such as file creation, reading, writing, appending, and deleting.

**Algorithm:**

1. **Start**.
2. Create or open a file using the open system call.
3. Write data to the file using the write system call.
4. Read data from the file using the read system call.
5. Append data to the file using lseek and write.
6. Delete the file using the unlink system call.
7. Close the file descriptor using close.
8. **End**.

**PROGRAM:**

#include <stdio.h>

#include <stdlib.h>

void createFile(const char \*filename) {

FILE \*file = fopen(filename, "w");

if (file) {

fprintf(file, "This is a sample file.\n");

fclose(file);

} else {

perror("Error creating file");

}

}

void readFile(const char \*filename) {

char buffer[255];

FILE \*file = fopen(filename, "r");

if (file) {

while (fgets(buffer, sizeof(buffer), file)) {

printf("%s", buffer);

}

fclose(file);

} else {

perror("Error reading file");

}

}

void deleteFile(const char \*filename) {

if (remove(filename) == 0) {

printf("File deleted successfully.\n");

} else {

perror("Error deleting file");

}

}

int main() {

const char \*filename = "sample.txt";

createFile(filename);

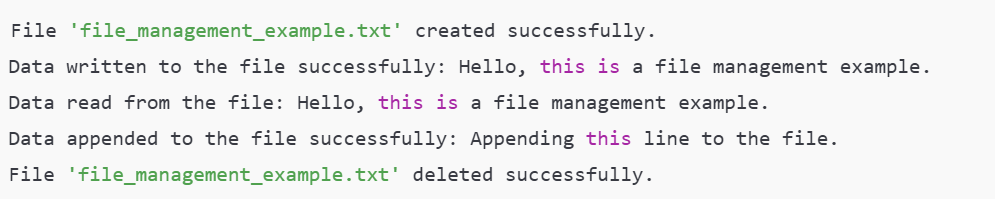
readFile(filename);

deleteFile(filename);

return 0;

}

**OUTPUT:**

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