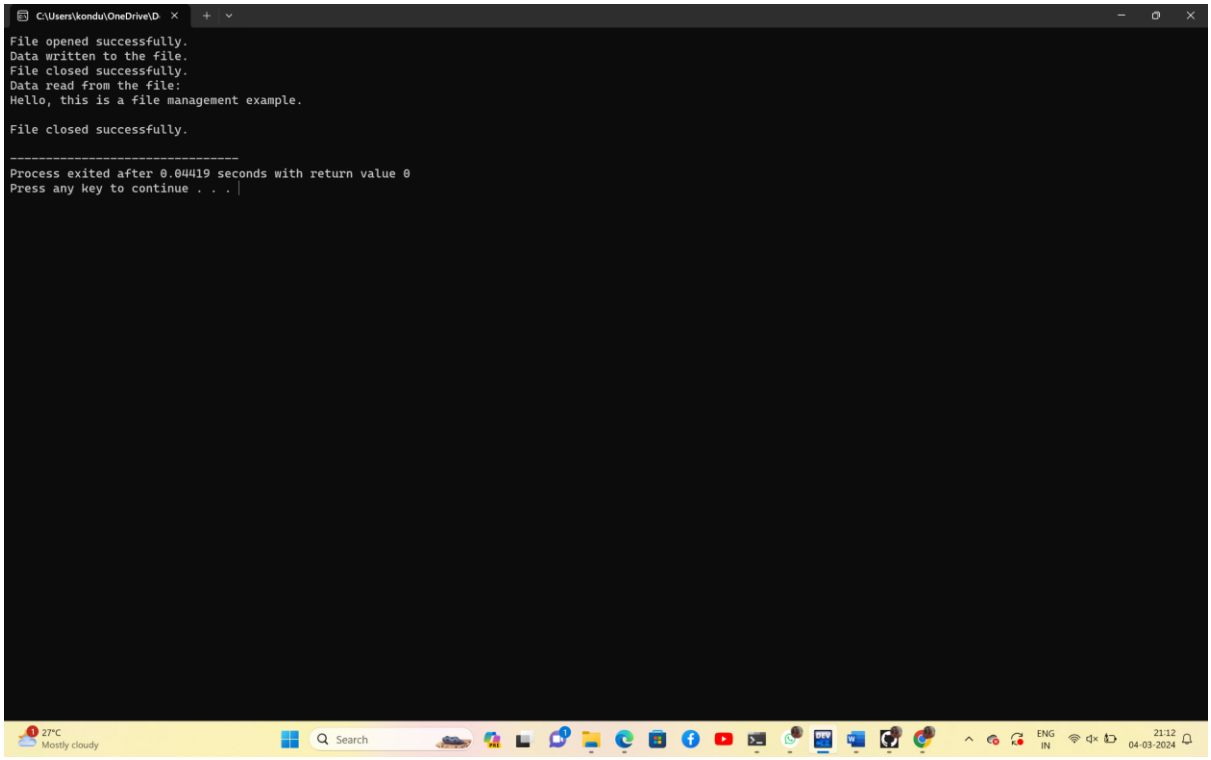
```c
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <unistd.h>

int main() {
    int file_descriptor;
    ssize_t bytes_written, bytes_read;
    char buffer[100];

    // Create a new file or open an existing file in write mode
    file_descriptor = open("file.txt", O_CREAT | O_WRONLY | O_TRUNC, 0644);

    if (file_descriptor == -1) {
        perror("Error opening the file");
        exit(EXIT_FAILURE);
    } else {
        printf("File opened successfully.\n");

        // Write data to the file
        const char* data = "Hello, this is a file management example.\n";
        bytes_written = write(file_descriptor, data, strlen(data));

        if (bytes_written == -1) {
            perror("Error writing to the file");
            exit(EXIT_FAILURE);
        } else {
            printf("Data written to the file.\n");

            // Close the file
            close(file_descriptor);
```

```
        printf("File closed successfully.\n");

        // Open the file in read mode
        file_descriptor = open("file.txt", O_RDONLY);

        // Read data from the file
        bytes_read = read(file_descriptor, buffer, sizeof(buffer));

        if (bytes_read == -1) {
            perror("Error reading from the file");
            exit(EXIT_FAILURE);
        } else {
            buffer[bytes_read] = '\0'; // Null-terminate the buffer
            printf("Data read from the file:\n%s\n", buffer);
        }

        // Close the file
        close(file_descriptor);
        printf("File closed successfully.\n");
      }
   }

   return 0;
}
```


C:\Users\kondu\OneDrive\D
File opened successfully.
Data written to the file.
File closed successfully.
Data read from the file:
Hello, this is a file management example.
File closed successfully.

Process exited after 0.04419 seconds with return value 0
Press any key to continue . . .
27°C
Mostly cloudy
Search
ENG
IN
21:12
04-03-2024