c program to read and write in a file

#include <stdio.h>

int main() {

FILE \*file;

char fileName[50];

char data[100];

printf("Enter the name of the file: ");

scanf("%s", fileName);

file = fopen(fileName, "w");

if (file == NULL) {

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

return 1; // Exit the program with an error code

}

printf("Enter data to write to the file (up to 100 characters):\n");

scanf(" %[^\n]", data);

fprintf(file, "%s", data);

fclose(file);

printf("Data written to the file successfully.\n");

file = fopen(fileName, "r");

if (file == NULL) {

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

return 1; // Exit the program with an error code

}

printf("\nReading data from the file:\n");

while (fgets(data, sizeof(data), file) != NULL) {

printf("%s", data);

}

fclose(file);

return 0;

}