//system call

#include <stdio.h>

#include <stdlib.h>

#include <fcntl.h>

#include <unistd.h>

#define MAX\_SIZE 100

int main() {

char fileName[] = "sample.txt";

char buffer[MAX\_SIZE];

int fileDescriptor = open(fileName, O\_CREAT | O\_WRONLY | O\_TRUNC, 0666);

if (fileDescriptor == -1) {

perror("Error creating file");

exit(EXIT\_FAILURE);

}

printf("Enter data to write to the file (Ctrl+D to end):\n");

while (fgets(buffer, MAX\_SIZE, stdin) != NULL) {

write(fileDescriptor, buffer, sizeof(buffer));

}

close(fileDescriptor);

fileDescriptor = open(fileName, O\_RDONLY);

if (fileDescriptor == -1) {

perror("Error opening file for reading");

exit(EXIT\_FAILURE);

}

printf("\nContents of the file:\n");

ssize\_t bytesRead;

while ((bytesRead = read(fileDescriptor, buffer, sizeof(buffer))) > 0) {

write(STDOUT\_FILENO, buffer, bytesRead);

}

close(fileDescriptor);

return 0;

}

Output:

