#include <stdio.h> //Reverse the contents of a text file line-by-line

#include <sys/types.h>

#include <sys/stat.h>

#include <fcntl.h>

#include <unistd.h>

int main(int argc, char \*argv[]){

char buffer[256];

int fd1, fd2, i=0, end;

long int fileSize, lineSize;

if(argc != 3){

printf("Call model: %s <inputFileName> <outputFileName>\n", argv[0]);

return(0);

}

fd1 = open(argv[1], O\_RDONLY);

fd2 = open(argv[2], O\_CREAT|O\_WRONLY|O\_TRUNC);

if( fd1==-1 || fd2==-1){

perror("File oupening problem ");

return(0);

}

fileSize = lseek(fd1, 0L, SEEK\_END);

lseek(fd1, 0L, SEEK\_SET);

lseek(fd2, fileSize, SEEK\_SET);

while((end=read(fd1, &(buffer[i]), 1)) == 1){

if(buffer[i] == '\n'){

i++; // number of characters read so far

lseek(fd2, -i, SEEK\_CUR); // go back size-of-line

if(write(fd2, buffer, i) !=i){

perror("Wrinting to output ");

return(0);

}

lseek(fd2, -i, SEEK\_CUR);

i=0;

}else

i++;

}

if(end==-1){

perror("Reading from input ");

return(1);

}

close(fd2);

close(fd1);

}