COSC 350 System Software mini test #2

1. write a program to count the lines of a file using system calls.
#include <stdio.h></stdio.h>
#include <stdlib.h></stdlib.h>
#include <fcntl.h> #include <fcntl.h></fcntl.h></fcntl.h>
2. Explain the difference between Buffered I/O and Unbuffered I/O.
3. Explain the following Implementations of a file system. Contiguous Allocation -
Linked-List Allocation-
Linked-List allocation with file allocation table FAT -
Index-Node Allocation -

4. Write a c program to take integer arguments and find the even value sum and the odd value sum. Write a st_to_int that takes a string argument and output the string as an integer.		
eg/a.out 12 13 14 15 16 17		
even value sum: 42		
odd value sum: 45		
#include <stdio.h></stdio.h>		
#include <stdlib.h></stdlib.h>		

. write a c program which creates a symmetric file so that each line of the file say: abcdefg ecomes abcdefg \parallel gfedcba in a new file	()
nclude <unistd.h></unistd.h>	
nclude <fcntl.h></fcntl.h>	
nclude <stdlib.h></stdlib.h>	
nclude <stdio.h></stdio.h>	
nclude <syst stat.h=""></syst>	