

```
File Edit View Terminal Tabs Help Terminal - 23mcce13@ailab-ill1: ~/Desktop/OS_LAB  
23mcce13@ailab-ill1: ~/Desktop  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ date  
Wednesday 06 August 2025 11:16:07 AM IST  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ cal  
bash: cal: command not found  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ echo "hello world"  
hello world  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ man ls  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ ls  
man_ls.png  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ pwd  
/users/imtech/23mcce13/Desktop/OS_LAB  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ mkdir temp  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ ls  
man_ls.png temp  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ cd..  
bash: cd..: command not found  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ cd  
23mcce13@ailab-ill1:~$ cd Desktop/OS_LAB  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ rm temp  
rm: cannot remove 'temp': Is a directory  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ rmdir temp  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ ls  
man_ls.png  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$
```

```
File Edit View Terminal Tabs Help Terminal - 23mcce13@ailab-i11: ~/Desktop/OS_LAB
23mcce13@ailab-i11: ~/Desktop
LS(1) User Commands LS(1)

NAME
ls - list directory contents

SYNOPSIS
ls [OPTION]... [FILE]...

DESCRIPTION
List information about the FILEs (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.

Mandatory arguments to long options are mandatory for short options too.

-a, --all
do not ignore entries starting with .

-A, --almost-all
do not list implied . and ..

--author
with -l, print the author of each file

-b, --escape
print C-style escapes for nongraphic characters

--block-size=SIZE
Manual page ls(1) line 1 (press h for help or q to quit)
```

```
file edit view terminal tabs help
23mcce13@ailab-il11: ~/Desktop
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat > temp.txt
hello
world
123
abc
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat temp.txt
hello
world
123
abc
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat >> temp.txt
appending new lines
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat temp.txt
hello
world
123
abc
appending new lines
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat new.txt
cat: new.txt: No such file or directory
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat > new.txt
for merging
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat temp.txt new.txt > final.txt
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat final.txt
hello
world
123
abc
appending new lines
for merging
23mcce13@ailab-il11:~/Desktop/OS_LAB$
```

```
File Edit View Terminal Tabs Help Terminal - 23mcce13@ailab-ill1: ~/Desktop/OS_LAB  
23mcce13@ailab-ill1: ~/Desktop  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ cat temp.txt  
hello  
world  
123  
abc  
appending new lines  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ sort temp.txt  
123  
abc  
appending new lines  
hello  
world  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ sort -r temp.txt  
world  
hello  
appending new lines  
abc  
123  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ sort temp.txt > final.txt  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ cat final.txt  
123  
abc  
appending new lines  
hello  
world  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$
```

```
File Edit View Terminal Tabs Help Terminal - 23mcce13@ailab-il11: ~/Desktop/OS_LAB  
23mcce13@ailab-il11: ~/Desktop  
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat new.txt  
for merging  
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat temp.txt  
hello  
world  
123  
abc  
appending new lines  
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cp new.txt temp.txt  
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat temp.txt  
for merging  
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cd ..  
23mcce13@ailab-il11:~/Desktop$ ls  
23MCCE13_13_02_2025 23MCCE13_Minor cbnmlab Desktop dfslab final.txt itlab IT_LAB JAVA_LAB move.txt OS_LAB temp.txt  
23mcce13@ailab-il11:~/Desktop$ mv move.txt OS_LAB  
23mcce13@ailab-il11:~/Desktop$ ls  
23MCCE13_13_02_2025 23MCCE13_Minor cbnmlab Desktop dfslab final.txt itlab IT_LAB JAVA_LAB OS_LAB temp.txt  
23mcce13@ailab-il11:~/Desktop$ ls OS_LAB  
Desktop final.txt man_ls.png move.txt 'Output(10).png' 'Output(11).png' 'Output(1-9).png' temp.txt  
I  
23mcce13@ailab-il11:~/Desktop$ cd OS_LAB  
23mcce13@ailab-il11:~/Desktop/OS_LAB$ rm move.txt  
23mcce13@ailab-il11:~/Desktop/OS_LAB$ ls  
Desktop final.txt man_ls.png 'Output(10).png' 'Output(11).png' 'Output(1-9).png' temp.txt  
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat temp.txt  
for merging  
23mcce13@ailab-il11:~/Desktop/OS_LAB$ wc temp.txt  
1 2 12 temp.txt  
23mcce13@ailab-il11:~/Desktop/OS_LAB$
```

```
File Edit View Terminal Tabs Help Terminal - 23mcce13@ailab-ill1: ~/Desktop/OS_LAB  
23mcce13@ailab-ill1: ~/Desktop  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ cat lines.txt  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ head lines.txt  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ head -n 3 lines.txt  
1  
2  
3  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$
```

```
File Edit View Terminal Tabs Help Terminal - 23mcce13@ailab-ill1: ~/Desktop/OS_LAB  
23mcce13@ailab-ill1: ~/Desktop  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ cat lines.txt  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ tail lines.txt  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ tail -n 3 lines.txt  
9  
10  
11  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$
```

File Edit View Terminal Tabs Help

Terminal - 23mcce13@ailab-ill1: ~/Desktop/OS_LAB

23mcce13@ailab-ill1: ~/Desktop

```
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ more lines.txt
1
2
3
4
5
```

more lines.txt command

(END)

```
23mcce13@ailab-il11: ~/Desktop
23mcce13@ailab-il11:~/Desktop/OS_LAB$ ls | wc
    12      12     157
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat temp.txt
for merging
23mcce13@ailab-il11:~/Desktop/OS_LAB$ cat temp.txt | tr [a-z] [A-Z]
FOR MERGING
```

```
File Edit View Terminal Tabs Help Terminal - 23mcce13@ailab-ill1: ~/Desktop/OS_LAB  
23mcce13@ailab-ill1: ~/Desktop  
23mcce13@ailab-ill1: ~/Desktop/OS_LAB$ ls -l  
total 1140  
-rw-r--r-- 1 23mcce13 imtech23 15 Aug 6 10:42 Desktop  
-rwxrwxrwx 1 23mcce13 imtech23 40 Aug 6 11:34 final.txt  
-rw-r--r-- 1 23mcce13 imtech23 34 Aug 6 11:53 lines.txt  
-rw-r--r-- 1 23mcce13 imtech23 110052 Aug 6 11:18 man_ls.png  
-rw-r--r-- 1 23mcce13 imtech23 118608 Aug 6 11:32 'Output(10).png'  
-rw-r--r-- 1 23mcce13 imtech23 140226 Aug 6 11:36 'Output(11).png'  
-rw-r--r-- 1 23mcce13 imtech23 265962 Aug 6 11:46 'Output(12-15).png'  
-rw-r--r-- 1 23mcce13 imtech23 98431 Aug 6 11:51 'Output(16).png'  
-rw-r--r-- 1 23mcce13 imtech23 89994 Aug 6 11:50 'Output(17).png'  
-rw-r--r-- 1 23mcce13 imtech23 48734 Aug 6 11:54 'Output(18).png'  
-rw-r--r-- 1 23mcce13 imtech23 231324 Aug 6 11:25 'Output(1-9).png'  
-rw-r--r-- 1 23mcce13 imtech23 43789 Aug 6 12:04 'Output(20-21).png'  
-rw-r--r-- 1 23mcce13 imtech23 12 Aug 6 11:38 temp.txt  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ chmod 777 final.txt  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ chmod +x lines.txt  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ ls -l  
total 1140  
-rw-r--r-- 1 23mcce13 imtech23 15 Aug 6 10:42 Desktop  
-rwxrwxrwx 1 23mcce13 imtech23 40 Aug 6 11:34 final.txt  
-rw-r--r-- 1 23mcce13 imtech23 34 Aug 6 11:53 lines.txt  
-rw-r--r-- 1 23mcce13 imtech23 110052 Aug 6 11:18 man_ls.png  
-rw-r--r-- 1 23mcce13 imtech23 118608 Aug 6 11:32 'Output(10).png'  
-rw-r--r-- 1 23mcce13 imtech23 140226 Aug 6 11:36 'Output(11).png'  
-rw-r--r-- 1 23mcce13 imtech23 265962 Aug 6 11:46 'Output(12-15).png'  
-rw-r--r-- 1 23mcce13 imtech23 98431 Aug 6 11:51 'Output(16).png'  
-rw-r--r-- 1 23mcce13 imtech23 89994 Aug 6 11:50 'Output(17).png'  
-rw-r--r-- 1 23mcce13 imtech23 48734 Aug 6 11:54 'Output(18).png'  
-rw-r--r-- 1 23mcce13 imtech23 231324 Aug 6 11:25 'Output(1-9).png'  
-rw-r--r-- 1 23mcce13 imtech23 43789 Aug 6 12:04 'Output(20-21).png'  
-rw-r--r-- 1 23mcce13 imtech23 12 Aug 6 11:38 temp.txt  
23mcce13@ailab-ill1:~/Desktop/OS_LAB$
```

```
23mcce13@ailab-il11: ~/Desktop
23mcce13@ailab-il11:~/Desktop/OS_LAB$ ls -l lines.txt
-rwxr-xr-x 1 23mcce13 imtech23 34 Aug  6 11:53 lines.txt
23mcce13@ailab-il11:~/Desktop/OS_LAB$ chown 23mcce05 lines.txt
chown: changing ownership of 'lines.txt': Operation not permitted
23mcce13@ailab-il11:~/Desktop/OS_LAB$ chgrp imtech24 lines.txt
chgrp: changing group of 'lines.txt': Operation not permitted
23mcce13@ailab-il11:~/Desktop/OS_LAB$ █
```

```
File Edit View Terminal Tabs Help Terminal - 23mcce13@ailab-ill1: ~/Desktop/OS_LAB
23mcce13@ailab-ill1: ~/Desktop
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ cat Fibonacci.sh
#!/bin/bash

a=0
b=1

echo -n "Enter number of elements :"
read n

echo ""

echo -n "Series :"

for((i=0;i<n;i++))
do
    echo -n "$a "
    c=$((a+b))
    a=$b
    b=$c
done
echo
23mcce13@ailab-ill1:~/Desktop/OS_LAB$ bash Fibonacci.sh
Enter number of elements :10
Series :0 1 1 2 3 5 8 13 21 34
23mcce13@ailab-ill1:~/Desktop/OS_LAB$
```