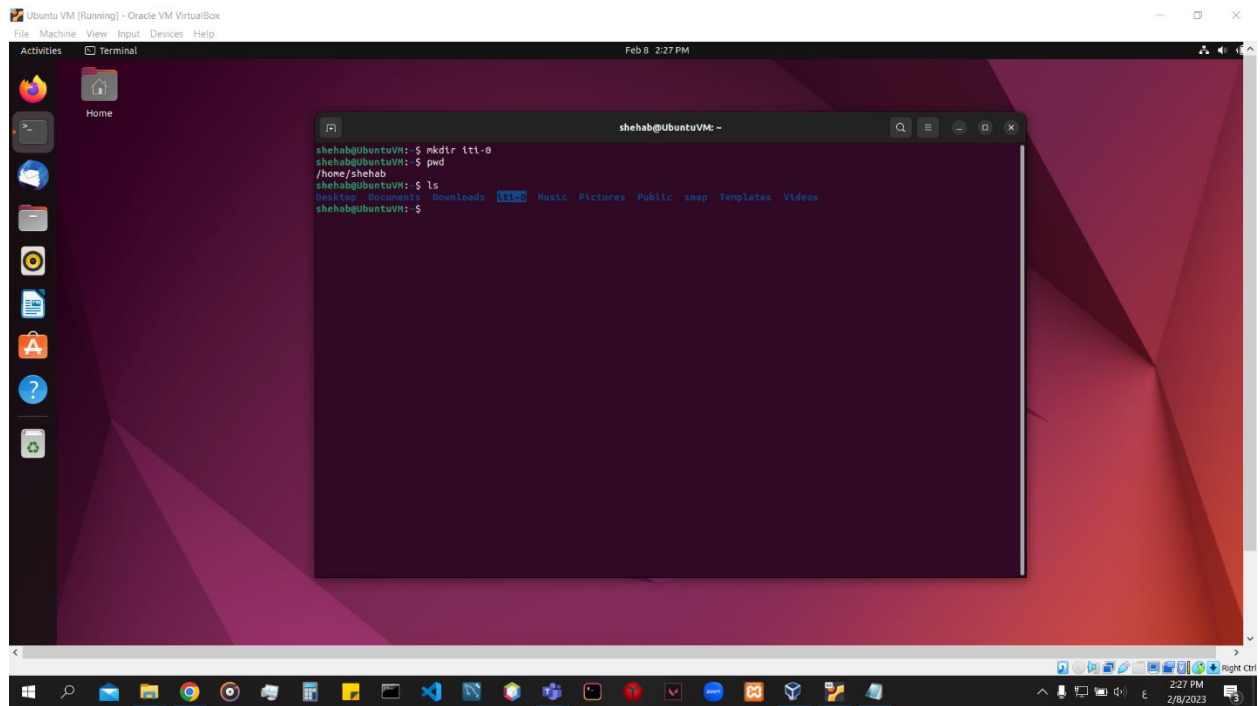


Shehab Hossam

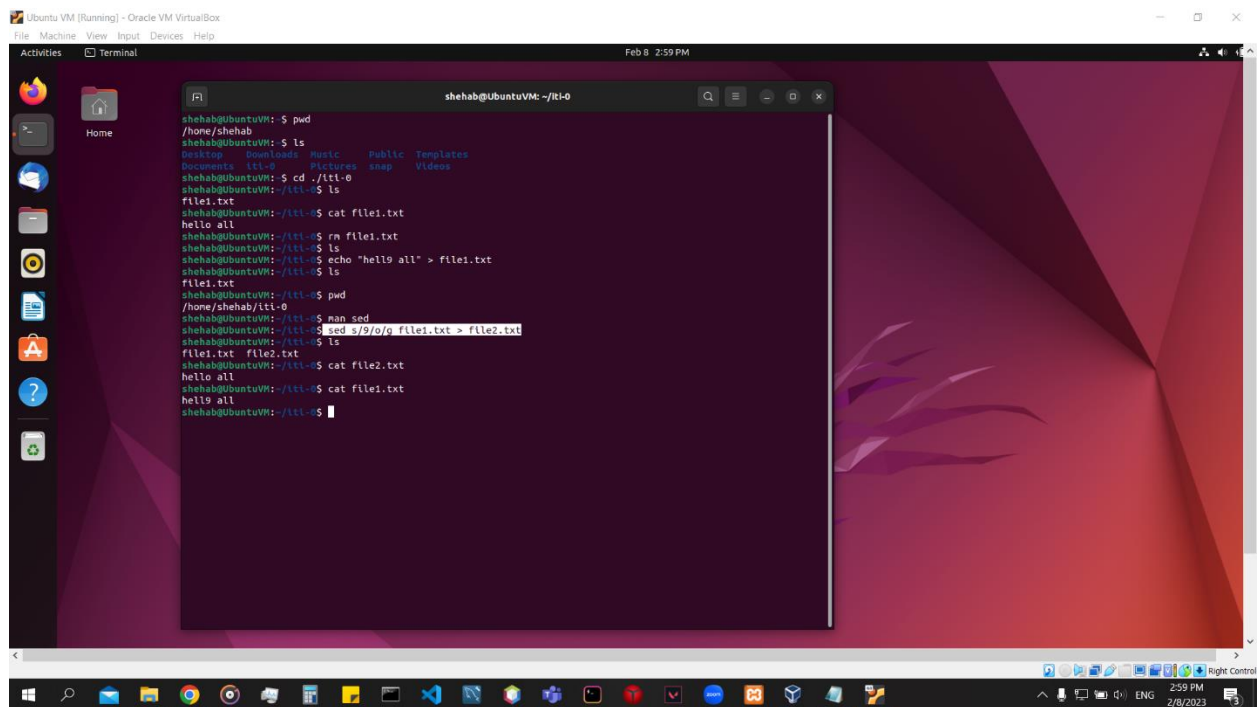
mkdir iti-0



```
shehab@ubuntuVM:~$ mkdir iti-0
shehab@ubuntuVM:~$ pwd
/home/shehab
shehab@ubuntuVM:~$ ls
Desktop  Documents  Downloads  iti-0  Music  Pictures  Public  snap  Templates  Videos
shehab@ubuntuVM:~$
```

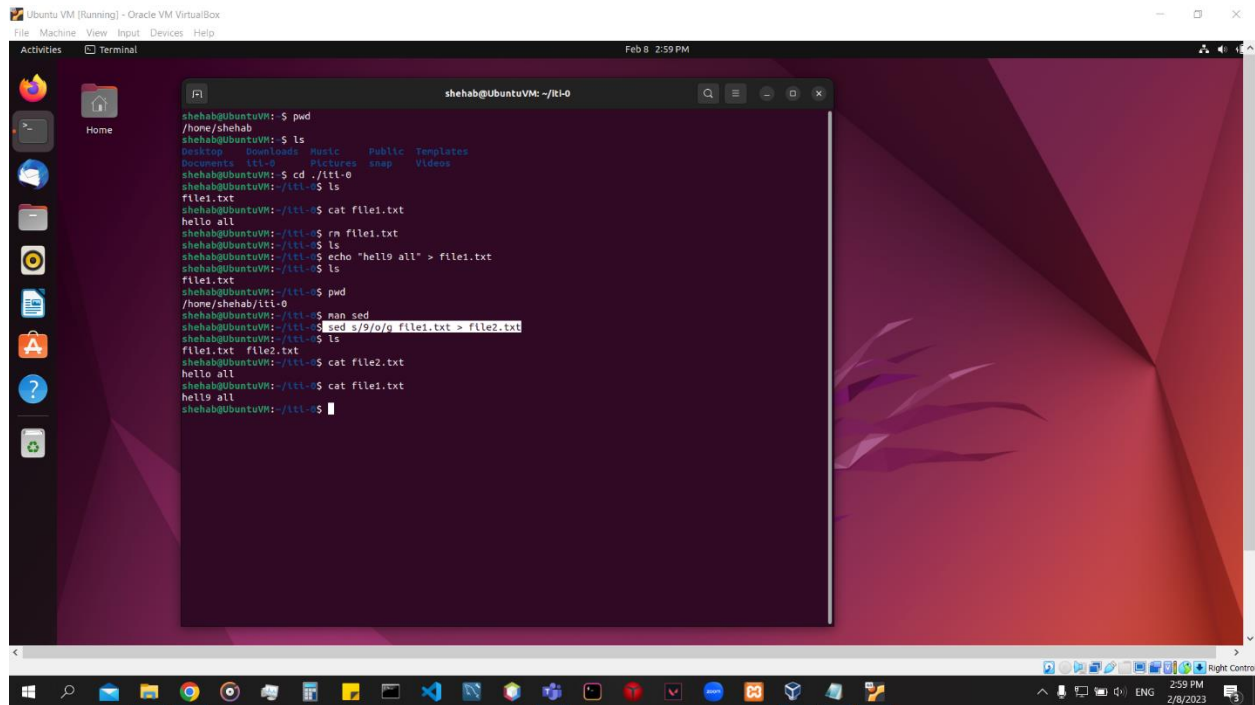
cd ./iti-0

echo "hell9 all" > file1.txt



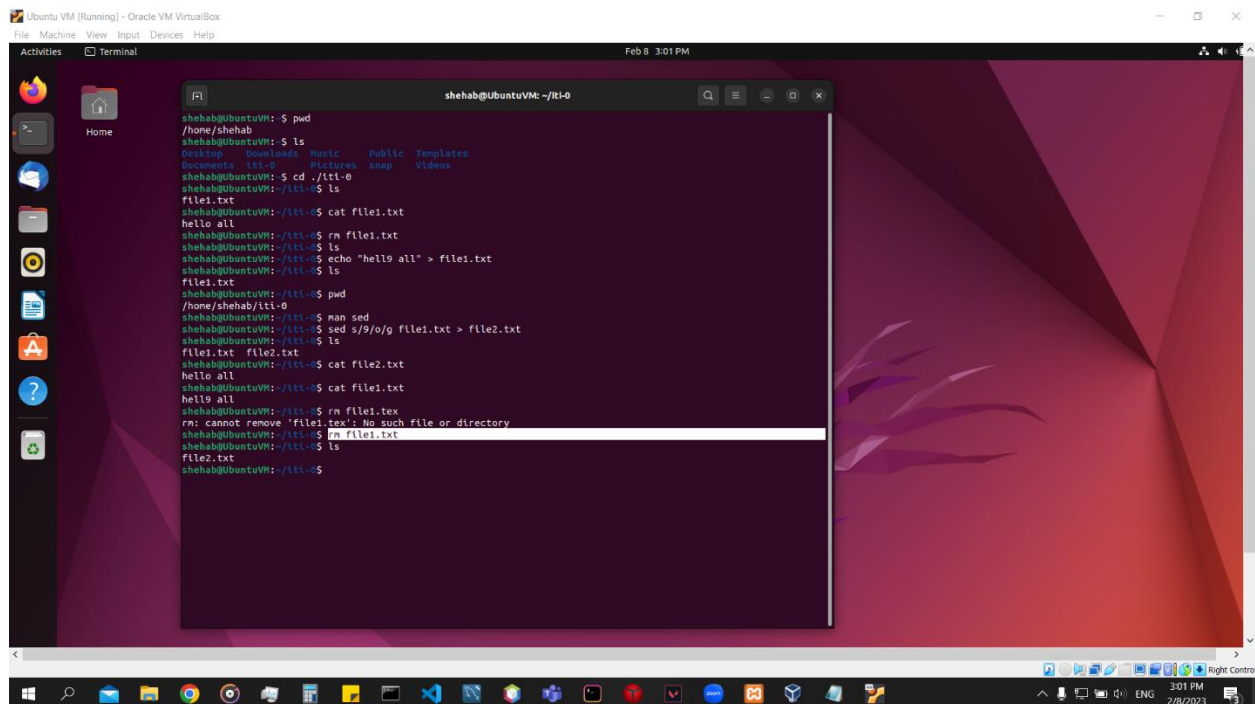
```
shehab@ubuntuVM:~$ pwd
/home/shehab
shehab@ubuntuVM:~$ ls
Desktop  Downloads  Music  Public  Templates
Documents  iti-0  Pictures  snap  Videos
shehab@ubuntuVM:~$ cd ./iti-0
shehab@ubuntuVM:~/iti-0$ ls
file1.txt
shehab@ubuntuVM:~/iti-0$ cat file1.txt
hello all
shehab@ubuntuVM:~/iti-0$ rm file1.txt
shehab@ubuntuVM:~/iti-0$ ls
shehab@ubuntuVM:~/iti-0$ echo "hell9 all" > file1.txt
shehab@ubuntuVM:~/iti-0$ ls
file1.txt
shehab@ubuntuVM:~/iti-0$ pwd
/home/shehab/iti-0
shehab@ubuntuVM:~/iti-0$ man snd
shehab@ubuntuVM:~/iti-0$ sed -i 's/p/g' file1.txt > file2.txt
shehab@ubuntuVM:~/iti-0$ ls
file1.txt  file2.txt
shehab@ubuntuVM:~/iti-0$ cat file2.txt
hello all
shehab@ubuntuVM:~/iti-0$ cat file1.txt
hell9 all
shehab@ubuntuVM:~/iti-0$
```

sed s/9/o/g file1.txt > file2.txt



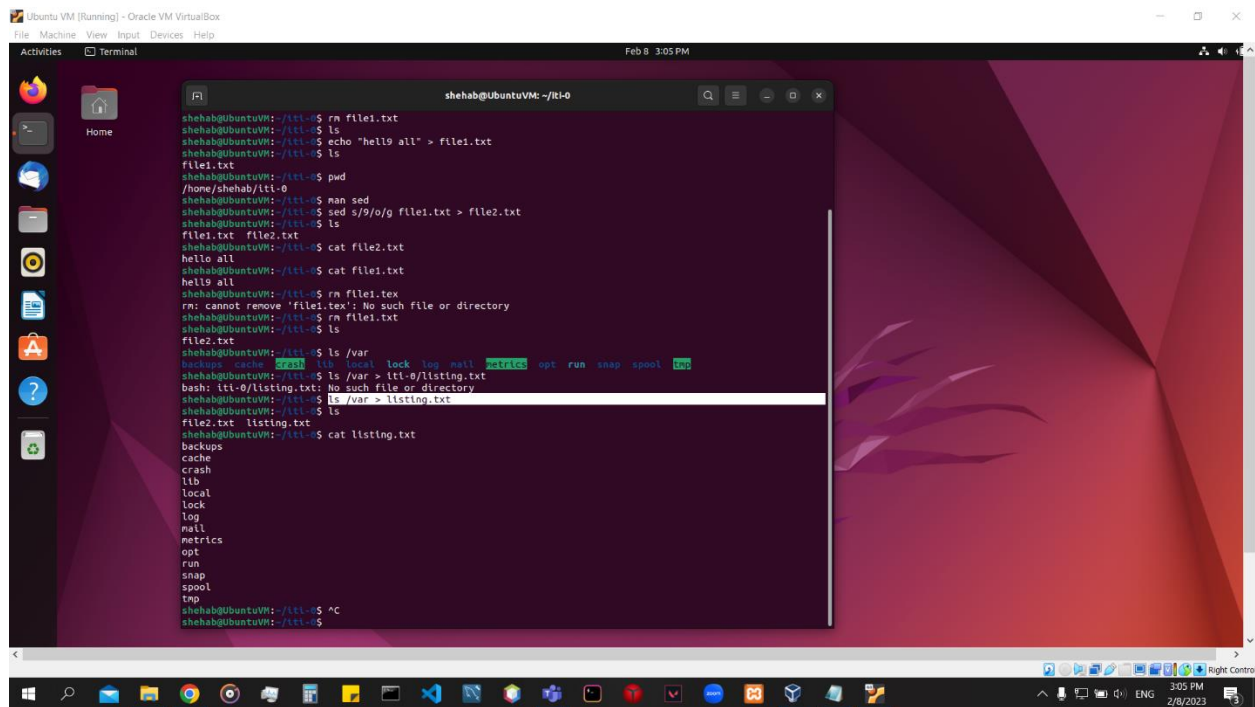
```
shehab@UbuntuVM: ~$ pwd
/home/shehab
shehab@UbuntuVM: ~$ ls
Desktop  Downloads  Music     Public    Templates
Documents  itl-0     Pictures  snap      Videos
shehab@UbuntuVM: ~$ cd ./itl-0
shehab@UbuntuVM: ~/itl-0$ ls
file1.txt
shehab@UbuntuVM: ~/itl-0$ cat file1.txt
hello all
shehab@UbuntuVM: ~/itl-0$ rm file1.txt
shehab@UbuntuVM: ~/itl-0$ sed s/9/o/g file1.txt > file2.txt
shehab@UbuntuVM: ~/itl-0$ ls
file1.txt  file2.txt
shehab@UbuntuVM: ~/itl-0$ cat file2.txt
hello all
shehab@UbuntuVM: ~/itl-0$ cat file1.txt
hell9 all
shehab@UbuntuVM: ~/itl-0$
```

rm file1.txt



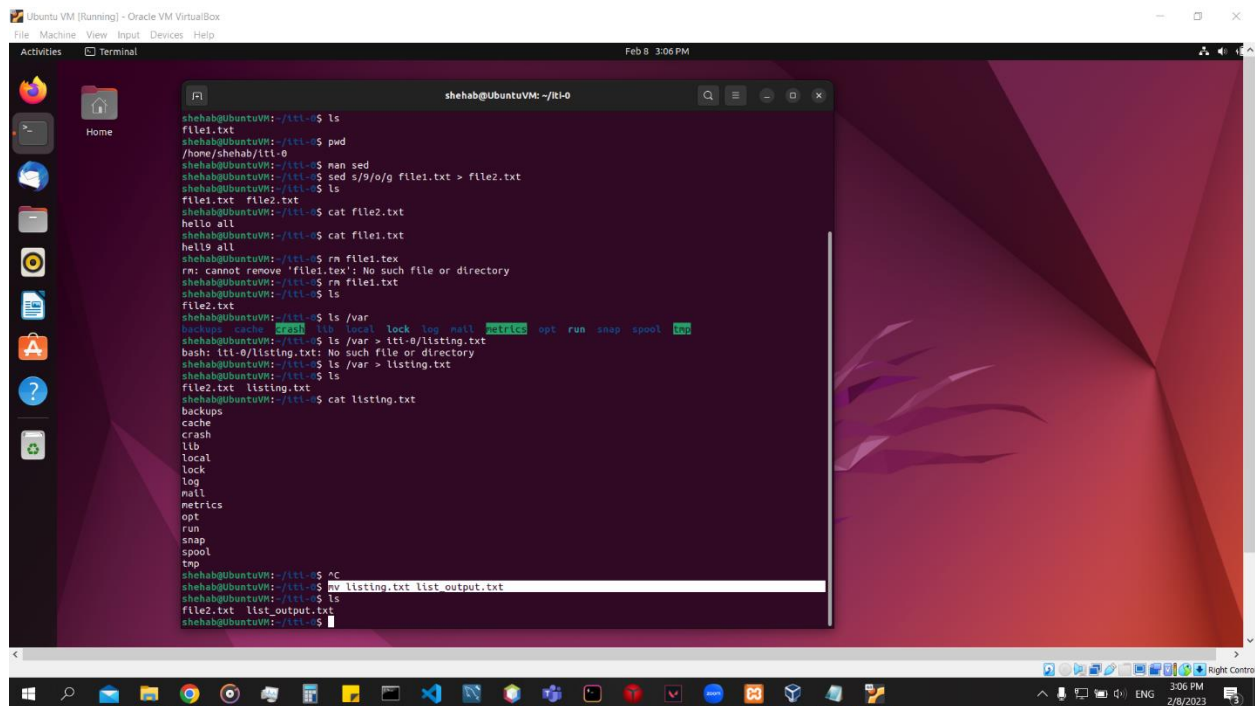
```
shehab@UbuntuVM: ~$ pwd
/home/shehab
shehab@UbuntuVM: ~$ ls
Desktop  Downloads  Music     Public    Templates
Documents  itl-0     Pictures  snap      Videos
shehab@UbuntuVM: ~$ cd ./itl-0
shehab@UbuntuVM: ~/itl-0$ ls
file1.txt
shehab@UbuntuVM: ~/itl-0$ cat file1.txt
hello all
shehab@UbuntuVM: ~/itl-0$ rm file1.txt
shehab@UbuntuVM: ~/itl-0$ ls
file1.txt
shehab@UbuntuVM: ~/itl-0$ echo "hell9 all" > file1.txt
shehab@UbuntuVM: ~/itl-0$ ls
file1.txt
shehab@UbuntuVM: ~/itl-0$ pwd
/home/shehab/itl-0
shehab@UbuntuVM: ~/itl-0$ man sed
shehab@UbuntuVM: ~/itl-0$ sed s/9/o/g file1.txt > file2.txt
shehab@UbuntuVM: ~/itl-0$ ls
file1.txt  file2.txt
shehab@UbuntuVM: ~/itl-0$ cat file2.txt
hello all
shehab@UbuntuVM: ~/itl-0$ cat file1.txt
hell9 all
shehab@UbuntuVM: ~/itl-0$ rm file1.txt
rm: cannot remove 'file1.txt': No such file or directory
shehab@UbuntuVM: ~/itl-0$ rm file1.txt
shehab@UbuntuVM: ~/itl-0$ ls
file2.txt
shehab@UbuntuVM: ~/itl-0$
```

ls /var > listing.txt



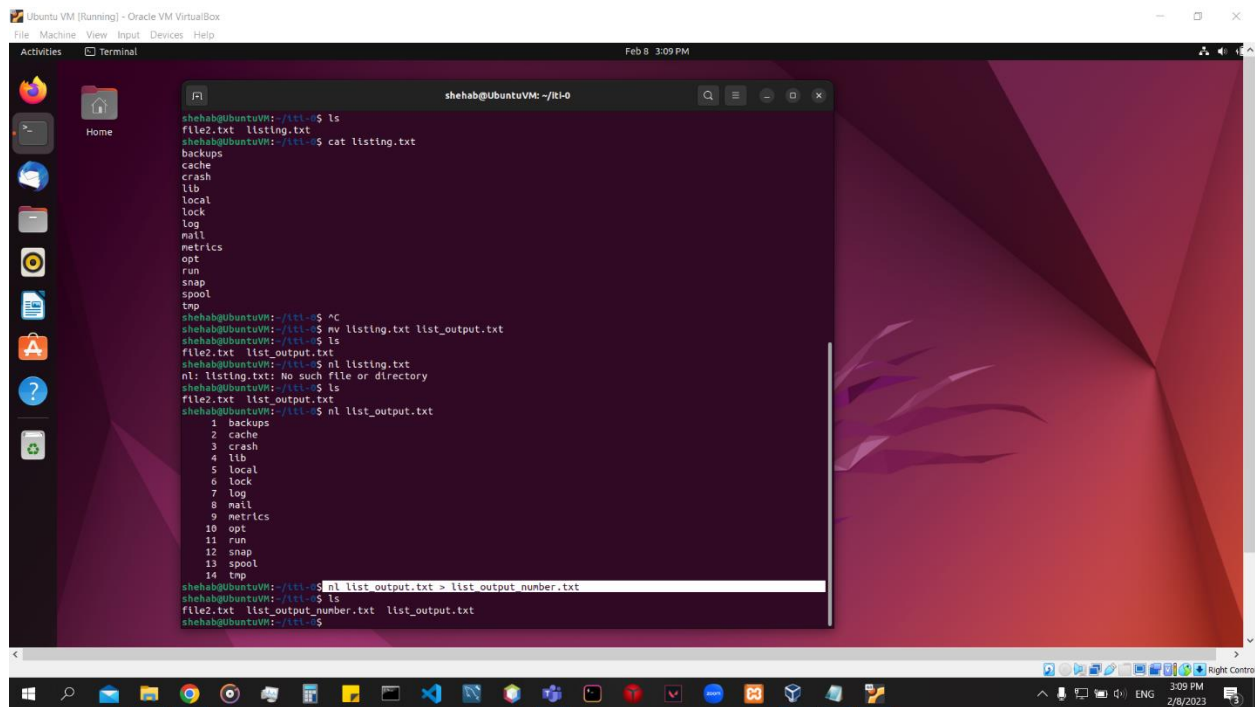
```
shehab@UbuntuVM: ~/iti-0
shehab@UbuntuVM:~/iti-0$ rm file1.txt
shehab@UbuntuVM:~/iti-0$ ls
shehab@UbuntuVM:~/iti-0$ echo "hello all" > file1.txt
shehab@UbuntuVM:~/iti-0$ ls
file1.txt
shehab@UbuntuVM:~/iti-0$ pwd
/home/shehab/iti-0
shehab@UbuntuVM:~/iti-0$ man sed
shehab@UbuntuVM:~/iti-0$ sed s/9/o/g file1.txt > file2.txt
shehab@UbuntuVM:~/iti-0$ ls
file1.txt  file2.txt
shehab@UbuntuVM:~/iti-0$ cat file2.txt
hello all
shehab@UbuntuVM:~/iti-0$ cat file1.txt
hello all
shehab@UbuntuVM:~/iti-0$ rm file1.txt
rm: cannot remove 'file1.txt': No such file or directory
shehab@UbuntuVM:~/iti-0$ rm file1.txt
shehab@UbuntuVM:~/iti-0$ ls
file2.txt
shehab@UbuntuVM:~/iti-0$ ls /var
backups  cache  crash  lib  local  lock  log  mail  metrics  opt  run  snap  spool  tmp
shehab@UbuntuVM:~/iti-0$ ls /var > iti-0/listing.txt
bash: iti-0/listing.txt: No such file or directory
shehab@UbuntuVM:~/iti-0$ ls /var > listing.txt
file2.txt  listing.txt
shehab@UbuntuVM:~/iti-0$ cat listing.txt
backups
cache
crash
lib
local
lock
log
mail
metrics
opt
run
snap
spool
tmp
shehab@UbuntuVM:~/iti-0$ ^C
shehab@UbuntuVM:~/iti-0$
```

mv listing.txt > list_output.txt



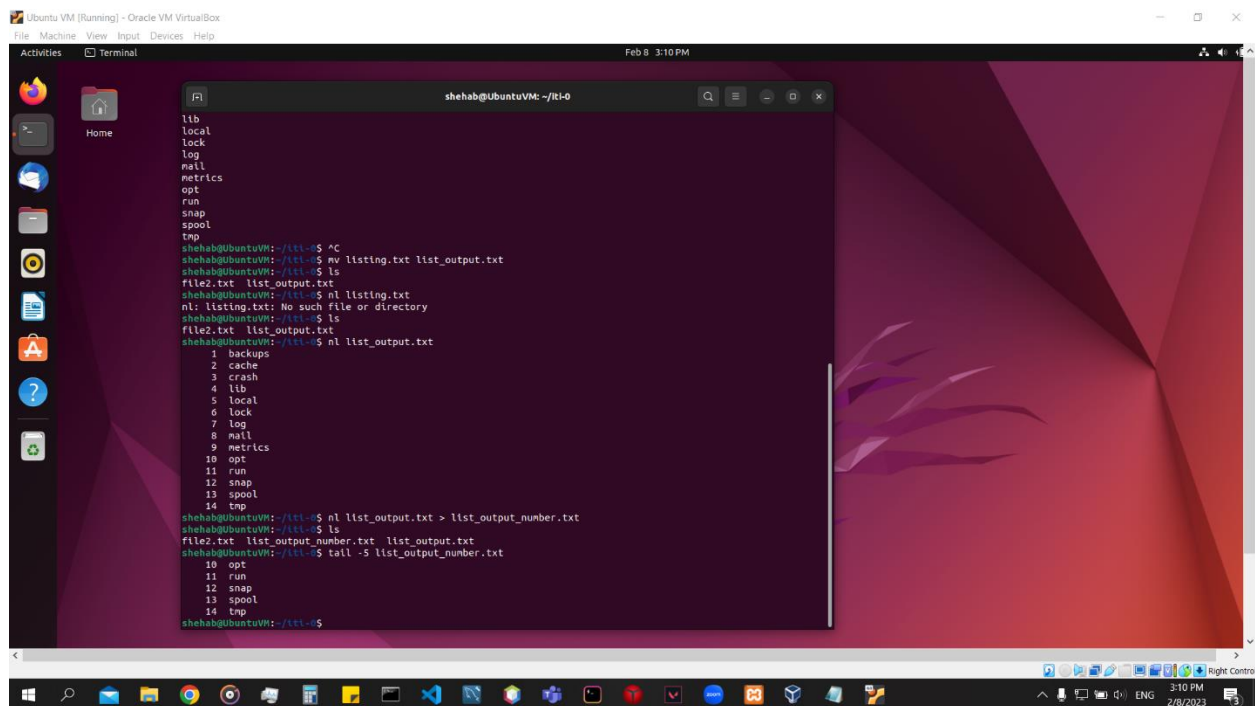
```
shehab@UbuntuVM: ~/iti-0
shehab@UbuntuVM:~/iti-0$ ls
file1.txt
shehab@UbuntuVM:~/iti-0$ pwd
/home/shehab/iti-0
shehab@UbuntuVM:~/iti-0$ man sed
shehab@UbuntuVM:~/iti-0$ sed s/9/o/g file1.txt > file2.txt
shehab@UbuntuVM:~/iti-0$ ls
file1.txt  file2.txt
shehab@UbuntuVM:~/iti-0$ cat file2.txt
hello all
shehab@UbuntuVM:~/iti-0$ cat file1.txt
hello all
shehab@UbuntuVM:~/iti-0$ rm file1.txt
rm: cannot remove 'file1.txt': No such file or directory
shehab@UbuntuVM:~/iti-0$ rm file1.txt
shehab@UbuntuVM:~/iti-0$ ls
file2.txt
shehab@UbuntuVM:~/iti-0$ ls /var
backups  cache  crash  lib  local  lock  log  mail  metrics  opt  run  snap  spool  tmp
shehab@UbuntuVM:~/iti-0$ ls /var > iti-0/listing.txt
bash: iti-0/listing.txt: No such file or directory
shehab@UbuntuVM:~/iti-0$ ls /var > listing.txt
file2.txt  listing.txt
shehab@UbuntuVM:~/iti-0$ cat listing.txt
backups
cache
crash
lib
local
lock
log
mail
metrics
opt
run
snap
spool
tmp
shehab@UbuntuVM:~/iti-0$ ^C
shehab@UbuntuVM:~/iti-0$ mv listing.txt list_output.txt
shehab@UbuntuVM:~/iti-0$ ls
file2.txt  list_output.txt
shehab@UbuntuVM:~/iti-0$
```

nl list_output.txt > list_output_number.txt



```
shehab@UbuntuVM: ~/iti-0
shehab@UbuntuVM: ~/iti-0$ ls
file2.txt  listing.txt
shehab@UbuntuVM: ~/iti-0$ cat listing.txt
backups
cache
crash
lib
local
lock
log
mail
metrics
opt
run
snap
spool
tmp
shehab@UbuntuVM: ~/iti-0$ ^C
shehab@UbuntuVM: ~/iti-0$ mv listing.txt list_output.txt
shehab@UbuntuVM: ~/iti-0$ ls
file2.txt  list_output.txt
shehab@UbuntuVM: ~/iti-0$ nl listing.txt
nl: listing.txt: No such file or directory
shehab@UbuntuVM: ~/iti-0$ ls
file2.txt  list_output.txt
shehab@UbuntuVM: ~/iti-0$ nl list_output.txt
 1 backups
 2 cache
 3 crash
 4 lib
 5 local
 6 lock
 7 log
 8 mail
 9 metrics
10 opt
11 run
12 snap
13 spool
14 tmp
shehab@UbuntuVM: ~/iti-0$ nl list_output.txt > list_output_number.txt
shehab@UbuntuVM: ~/iti-0$ ls
file2.txt  list_output_number.txt  list_output.txt
shehab@UbuntuVM: ~/iti-0$
```

tail -5 list_output_number.txt



```
lib
local
lock
log
mail
metrics
opt
run
snap
spool
tmp
shehab@UbuntuVM: ~/iti-0$ ^C
shehab@UbuntuVM: ~/iti-0$ mv listing.txt list_output.txt
shehab@UbuntuVM: ~/iti-0$ ls
file2.txt  list_output.txt
shehab@UbuntuVM: ~/iti-0$ nl listing.txt
nl: listing.txt: No such file or directory
shehab@UbuntuVM: ~/iti-0$ ls
file2.txt  list_output.txt
shehab@UbuntuVM: ~/iti-0$ nl list_output.txt
 1 backups
 2 cache
 3 crash
 4 lib
 5 local
 6 lock
 7 log
 8 mail
 9 metrics
10 opt
11 run
12 snap
13 spool
14 tmp
shehab@UbuntuVM: ~/iti-0$ nl list_output.txt > list_output_number.txt
shehab@UbuntuVM: ~/iti-0$ ls
file2.txt  list_output_number.txt  list_output.txt
shehab@UbuntuVM: ~/iti-0$ tail -5 list_output_number.txt
10 opt
11 run
12 snap
13 spool
14 tmp
shehab@UbuntuVM: ~/iti-0$
```