

1. mkdir iti-0
2. touch iti-0/file1.txt echo hell9 all > iti-0/file1.txt
3. cat iti-0/file1.txt tr "9" "o" > iti-0/file2.txt
4. rm iti-0/file1.txt
5. ls /var>listing.txt> iti-0/listing.txt
6. mv iti-0/listing.txt iti-0/list_output.txt
7. cat iti-0/list_output.txt nl > iti-0/list_output_number.txt
8. tail -n 5 iti-0/list_output_number.txt

To run a command as administrator (user "root"), use "sudo <command>". See "man sudo_root" for details.

```

donia@donia-VirtualBox:~/Desktop$ mkdir iti-0
donia@donia-VirtualBox:~/Desktop$ ls
iti-0
donia@donia-VirtualBox:~/Desktop$ touch iti-0/file1.txt
donia@donia-VirtualBox:~/Desktop$ ls iti-0/
file1.txt
donia@donia-VirtualBox:~/Desktop$ echo hell9 all > iti-0/file1.txt
donia@donia-VirtualBox:~/Desktop$ cat iti-0/file1.txt
hell9 all
donia@donia-VirtualBox:~/Desktop$ cat iti-0/file1.txt | tr "9" "o"
hello all
donia@donia-VirtualBox:~/Desktop$ cat iti-0/file1.txt
hell9 all
donia@donia-VirtualBox:~/Desktop$ cat iti-0/file1.txt | tr "9" "o" > iti-0/file
2.txt
donia@donia-VirtualBox:~/Desktop$ ls iti-0/
file1.txt  file2.txt
donia@donia-VirtualBox:~/Desktop$ cat iti-0/file2.txt
hello all
donia@donia-VirtualBox:~/Desktop$ rm iti-0/file1.txt
donia@donia-VirtualBox:~/Desktop$ ls iti-0/
file2.txt
donia@donia-VirtualBox:~/Desktop$ █

```

```
donia@donia-VirtualBox:~/Desktop$ ls /var
backups  crash  local  log  metrics  run  spool
cache    lib    lock   mail  opt      snap  tmp
donia@donia-VirtualBox:~/Desktop$ ls /var>listing.txt
donia@donia-VirtualBox:~/Desktop$ cat listing.txt
backups
cache
crash
lib
local
lock
log
mail
metrics
opt
run
snap
spool
tmp
donia@donia-VirtualBox:~/Desktop$ ls /var>listing.txt> iti-0/listing.txt
donia@donia-VirtualBox:~/Desktop$ ls iti-0/
file2.txt  listing.txt
donia@donia-VirtualBox:~/Desktop$ cat iti-0/listing.txt
backups
cache
crash
lib
local
lock
```

```
donia@donia-VirtualBox:~/Desktop$ mv iti-0/listing.txt iti-0/list-output.txt
donia@donia-VirtualBox:~/Desktop$ ls iti-0/
file2.txt  list-output.txt
donia@donia-VirtualBox:~/Desktop$ cat iti-0/list-output.txt
backups
cache
crash
lib
local
lock
log
mail
metrics
opt
run
snap
spool
tmp
donia@donia-VirtualBox:~/Desktop$ cat iti-0/list-output.txt | nl
 1 backups
 2 cache
 3 crash
 4 lib
 5 local
 6 lock
 7 log
 8 mail
 9 metrics
10 opt
```

```
14 tmp
donia@donia-VirtualBox:~/Desktop$ cat iti-0/list-output.txt | nl > iti-0/list_o
utput_number
donia@donia-VirtualBox:~/Desktop$ ls iti-0/
file2.txt list_output_number list-output.txt
donia@donia-VirtualBox:~/Desktop$ cat iti-0/list-output.txt | nl > iti-0/list_o
utput_number.txt
donia@donia-VirtualBox:~/Desktop$ ls iti-0/
file2.txt list_output_number list_output_number.txt list-output.txt
donia@donia-VirtualBox:~/Desktop$ cat iti-0/list_output_number.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
donia@donia-VirtualBox:~/Desktop$ tail -n 5 iti-0/list_output_number.txt
10 opt
11 run
12 snap
13 spool
14 tmp
donia@donia-VirtualBox:~/Desktop$
```