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
onia@donia-VirtualBox:~/Desktop$ tail -n 5  iti-0/list_output_number.txt
    10  opt
    11  run
    12  snap
    13  spool
    14  tmp
onia@donia-VirtualBox:~/Desktop$
```