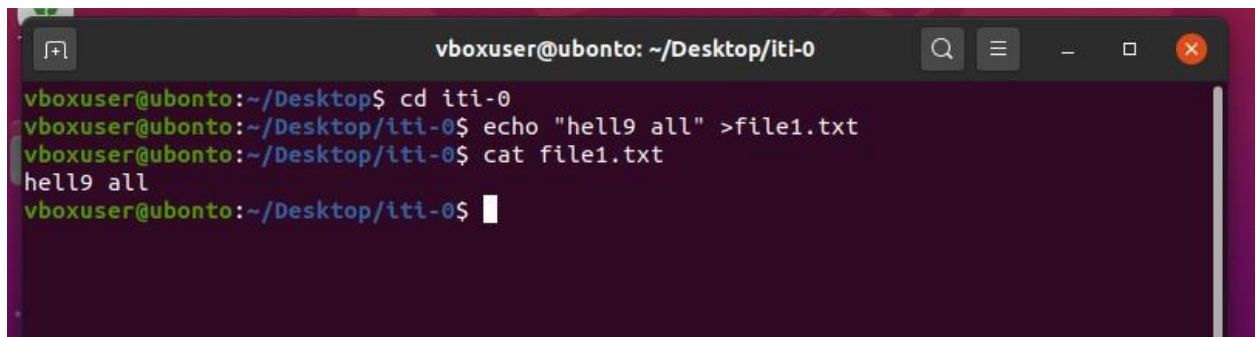
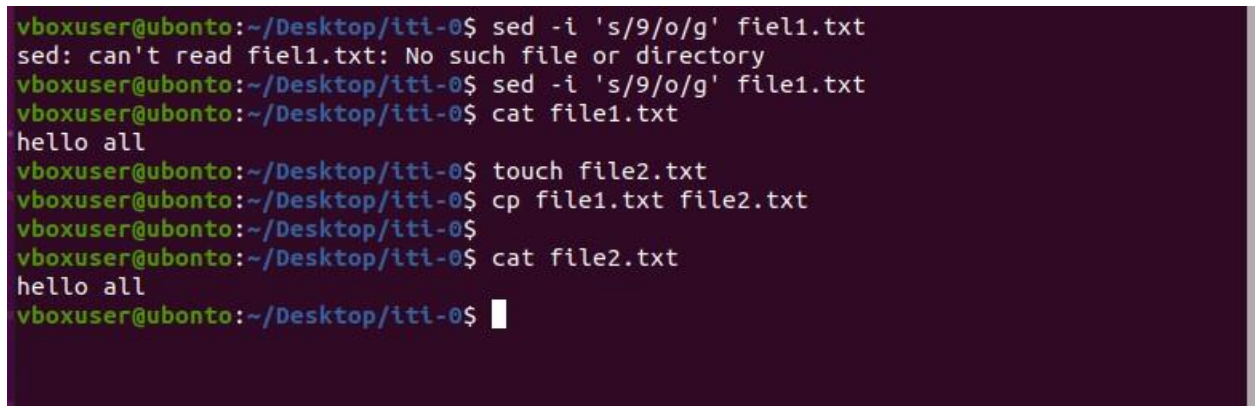


- create directory called "iti-0"
- create file called "file1.txt" inside iti-0 directory with content "hell9 all"



```
vboxuser@ubuntu: ~/Desktop/iti-0
vboxuser@ubuntu:~/Desktop$ cd iti-0
vboxuser@ubuntu:~/Desktop/iti-0$ echo "hell9 all" >file1.txt
vboxuser@ubuntu:~/Desktop/iti-0$ cat file1.txt
hell9 all
vboxuser@ubuntu:~/Desktop/iti-0$
```

- change character "9" to "o" and redirect it to new file called "file2.txt"



```
vboxuser@ubuntu:~/Desktop/iti-0$ sed -i 's/9/o/g' fiel1.txt
sed: can't read fiel1.txt: No such file or directory
vboxuser@ubuntu:~/Desktop/iti-0$ sed -i 's/9/o/g' file1.txt
vboxuser@ubuntu:~/Desktop/iti-0$ cat file1.txt
hello all
vboxuser@ubuntu:~/Desktop/iti-0$ touch file2.txt
vboxuser@ubuntu:~/Desktop/iti-0$ cp file1.txt file2.txt
vboxuser@ubuntu:~/Desktop/iti-0$ cat file2.txt
hello all
vboxuser@ubuntu:~/Desktop/iti-0$
```

- delete "file1.txt"
- using ls command list directories inside /var and redirect the output to iti-0/listing.txt file

```
vboxuser@ubuntu:~/Desktop/iti-0$ rm file1.txt
vboxuser@ubuntu:~/Desktop/iti-0$ touch listing.txt
vboxuser@ubuntu:~/Desktop/iti-0$ ls / var > listing.txt
ls: cannot access 'var': No such file or directory
vboxuser@ubuntu:~/Desktop/iti-0$ ls /var listing.txt
listing.txt

/var:
backups  crash  local  log  metrics  run  spool
cache    lib    lock   mail  opt      snap  tmp
vboxuser@ubuntu:~/Desktop/iti-0$ cat listing.txt
/:
bin
boot
cdrom
dev
etc
home
lib
lib32
lib64
libx32
lost+found
media
mnt
opt
proc
root
run
sbin
snap
srv
swapfile
sys
tmp
usr
var
vboxuser@ubuntu:~/Desktop/iti-0$
```

- rename listing.txt file to list_output.txt

```
var
vboxuser@ubuntu:~/Desktop/iti-0$ mv listing.txt list_output.txt
vboxuser@ubuntu:~/Desktop/iti-0$ cat list_output.txt
/:
bin
boot
cdrom
dev
etc
home
lib
lib32
lib64
lost+found
media
mnt
opt
proc
root
run
sbin
snap
srv
swapfile
sys
tmp
usr
var
vboxuser@ubuntu:~/Desktop/iti-0$ ls
file2.txt  list_output.txt
vboxuser@ubuntu:~/Desktop/iti-0$
```

- number all lines in `list_output.txt` and redirect it to `list_output_number.txt`

```
vboxuser@ubuntu:~/Desktop/iti-0$ touch list_output_number.txt
vboxuser@ubuntu:~/Desktop/iti-0$ cat -n list_output.txt > list_output_number.txt
vboxuser@ubuntu:~/Desktop/iti-0$ cat list_output_number.txt
 1  /:
 2  bin
 3  boot
 4  cdrom
 5  dev
 6  etc
 7  home
 8  lib
 9  lib32
10  lib64
11  libx32
12  lost+found
13  media
14  mnt
15  opt
16  proc
17  root
18  run
19  sbin
20  snap
21  srv
22  swapfile
23  sys
24  tmp
25  usr
26  var
vboxuser@ubuntu:~/Desktop/iti-0$
```

Activate Windows
Go to Settings to activate Windows.

- print the last 5 lines of `list_output_number.txt` file

```
vboxuser@ubuntu:~/Desktop/iti-0$ tail -n 5 list_output_number.txt
22  swapfile
23  sys
24  tmp
25  usr
26  var
vboxuser@ubuntu:~/Desktop/iti-0$
```