

## **Lab2 Objectives:**

1. create directory called "iti-0"

- command:
  - `mkdir iti-0`
- screen shot:

```
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2$ mkdir iti-0
```

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

- commands:
  - `touch file1.txt`
  - `echo 'hell9 all'>file1.txt`
- screen shot:

```
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2$ cd iti-0
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ touch file1.txt
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ echo 'hell9 all'>file1.txt
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ cat file1.txt
hell9 all
```

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

- commands:
  - `cat file1.txt | tr 9 o >file2.txt`
  - `cat file2.txt`
- screen shot:

```
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ cat file1.txt | tr 9 o >file2.txt
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ cat file2.txt
hello all
```

4. delete "file1.txt"

- commands:
  - `rm file1.txt`
- screen shot:

```
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ ls
file1.txt file2.txt
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ rm file1.txt
mariam@mariam-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ ls
file2.txt
```

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

- commands:
  - cd /var
  - ls > ~/Documents/sys-admin-labs/lab2/iti-0/listing.txt
  - cd ~/Documents/sys-admin-labs/lab2/iti-0
  - cat listing.txt
- screen shot:

```
maria@maria-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ cd /var
maria@maria-VirtualBox: /var$ ls > ~/Documents/sys-admin-labs/lab2/iti-0/listing.txt
maria@maria-VirtualBox: /var$ ls > ~/Documents/sys-admin-labs/lab2/iti-0/listing.txt
maria@maria-VirtualBox: /var$ cd ~/Documents/sys-admin-labs/lab2/iti-0
maria@maria-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ ls
file2.txt  listing.txt
maria@maria-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ cat listing.txt
backups
cache
crash
lib
local
lock
log
mail
metrics
opt
run
snap
spool
tmp
```

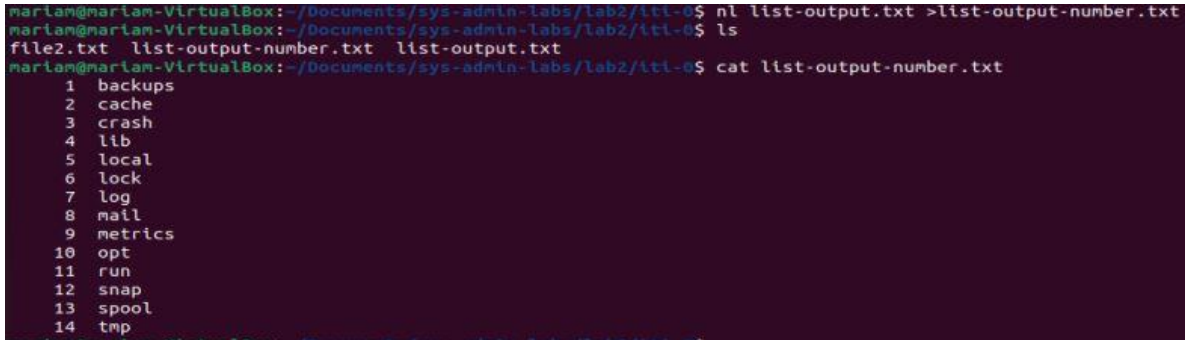
6. rename listing.txt file to list\_output.txt

- commands:
  - mv listing.txt list-output.txt
- screen shot:

```
maria@maria-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ mv listing.txt list-output.txt
maria@maria-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ ls
file2.txt  list-output.txt
maria@maria-VirtualBox: ~/Documents/sys-admin-labs/lab2/iti-0$ cat list-output.txt
backups
cache
crash
lib
local
lock
log
mail
metrics
opt
run
snap
spool
tmp
```

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

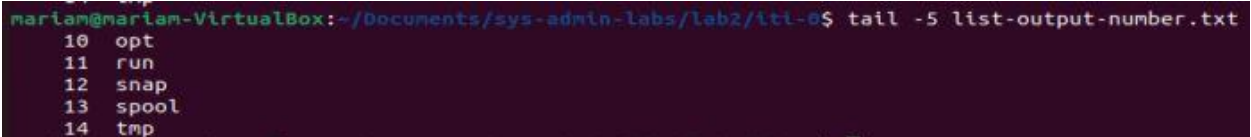
- commands:
  - `nl list-output.txt > list-output-number.txt`
- screen shot:



```
marlam@marlam-VirtualBox:~/Documents/sys-admin-labs/lab2/iti-0$ nl list-output.txt > list-output-number.txt
marlam@marlam-VirtualBox:~/Documents/sys-admin-labs/lab2/iti-0$ ls
file2.txt  list-output-number.txt  list-output.txt
marlam@marlam-VirtualBox:~/Documents/sys-admin-labs/lab2/iti-0$ cat 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
```

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

- commands:
  - `tail -5 list-output-number.txt`
- screen shot:



```
marlam@marlam-VirtualBox:~/Documents/sys-admin-labs/lab2/iti-0$ tail -5 list-output-number.txt
10 opt
11 run
12 snap
13 spool
14 tmp
```