LAB 2

- **STEP-1**: Create directory called "iti-0

```
hager@hager-VirtualBox:~$ mkdir iti-0
hager@hager-VirtualBox:~$ cd iti-0
hager@hager-VirtualBox:~/iti-0$
```

- **STEP-2**: Create file called "file1.txt" inside iti-0 directory with content "hell9 all"

```
hager@hager-VirtualBox:~/iti-0$ touch file1.txt
hager@hager-VirtualBox:~/iti-0$ echo 'hell9 all'>file1.txt
hager@hager-VirtualBox:~/iti-0$ cat file1.txt
hell9 all
```

- **STEP-3**: Change character "9" to "o" and redirect it to new file called "file2.txt"

```
hager@hager-VirtualBox:~/iti-0$ sed -i 's/9/o/g' file1.txt
hager@hager-VirtualBox:~/iti-0$ cat file1.txt
hello all
hager@hager-VirtualBox:~/iti-0$ cat file1.txt > file2.txt
hager@hager-VirtualBox:~/iti-0$ cat file2.txt
hello all
```

- **STEP-4**: Delete "file1.txt"

```
hager@hager-VirtualBox:~/iti-0$ rm file1.txt
hager@hager-VirtualBox:~/iti-0$ ls
file2.txt
```

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

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

- **STEP-6**: Rename listing.txt file to list_output.txt

```
hager@hager-VirtualBox:~/iti-0$ mv listing.txt list-output.txt
```

- **STEP-7**: Number all lines in list_output.txt and redirect it to
  list_output_number.txt

```
hager@hager-VirtualBox:~/iti-0$ touch list_output_number.txt

hager@hager-VirtualBox:~/iti-0$ cat -n list_output.txt >
list_output_number.txt

hager@hager-VirtualBox:~/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
```

- **STEP-8**: Print the last 5 lines of list_output_number.txt file

```
hager@hager-VirtualBox:~/iti-0$ tail -n5 list-output-number.txt

10 opt
11 run
12 snap
13 spool
14 tmp
```