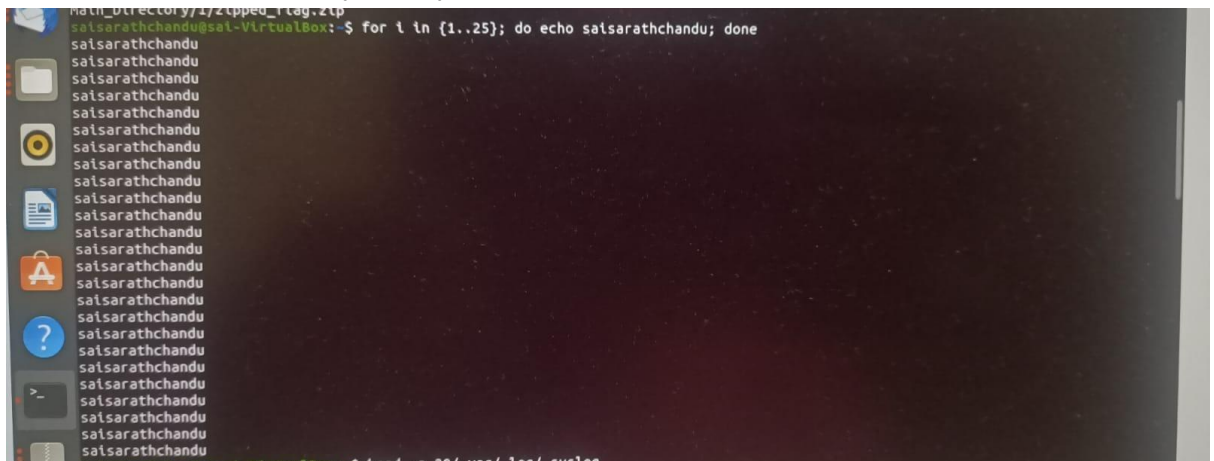


## TASK 5

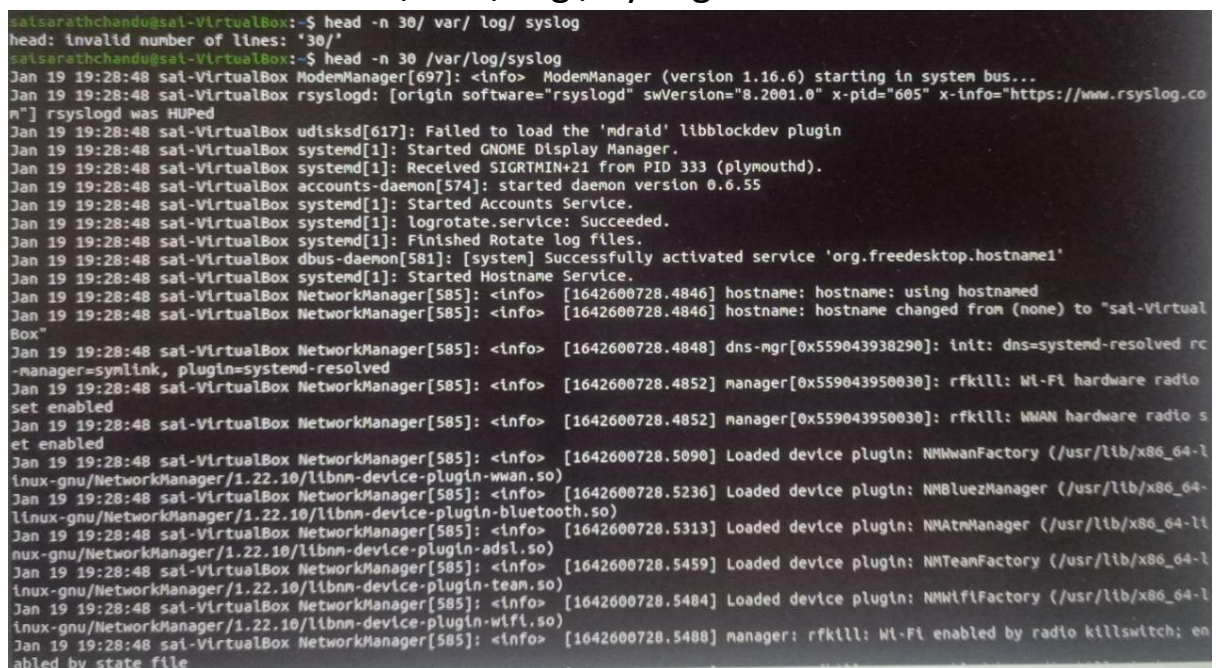
K. Sai Sarath Chandu , ch.en.u4cse21157

- 1) Write a bash script to echo your name 25 times  
Command : `for i in (1..25); do echo saisarathchandu ; done`



- 2) What command should I use to display the first 30 entries of syslog file

Command : head -n 30/ var / log / syslog



- 3) What command should I use to display the last 30 entries of syslog file?

Command : `tail -n 30 /var/log/syslog`

```
saisarathchandu@sai-VirtualBox:~$ tail -n 30 /var/log/syslog
Feb 27 19:54:47 sai-VirtualBox tracker-store[8654]: OK
Feb 27 19:54:47 sai-VirtualBox systemd[770]: tracker-store.service: Succeeded.
Feb 27 19:55:21 sai-VirtualBox systemd[770]: Started VTE child process 8672 launched by gnome-terminal-server process 4817.
Feb 27 19:55:25 sai-VirtualBox systemd[770]: vte-spawn-169b2fb2-baac-4203-b5a0-55e946928c12.scope: Succeeded.
Feb 27 19:56:39 sai-VirtualBox dbus-daemon[827]: [session uid=1000 pid=827] Activating via systemd: service name='org.freedesktop.Tracker1' unit='tracker-store.service' requested by ':1.2' (uid=1000 pid=816 comm="/usr/libexec/tracker-miner-fs " label="unconfined")
Feb 27 19:56:39 sai-VirtualBox systemd[770]: Starting Tracker metadata database store and lookup manager...
Feb 27 19:56:39 sai-VirtualBox dbus-daemon[827]: [session uid=1000 pid=827] Successfully activated service 'org.freedesktop.Tracker1'
Feb 27 19:56:39 sai-VirtualBox systemd[770]: Started Tracker metadata database store and lookup manager.
Feb 27 19:56:39 sai-VirtualBox dbus-daemon[827]: [session uid=1000 pid=827] Activating via systemd: service name='org.freedesktop.Tracker1.Miner.Extract' unit='tracker-extract.service' requested by ':1.2' (uid=1000 pid=816 comm="/usr/libexec/tracker-miner-fs " label="unconfined")
Feb 27 19:56:39 sai-VirtualBox systemd[770]: Starting Tracker metadata extractor...
Feb 27 19:56:39 sai-VirtualBox tracker-extract[8704]: Set scheduler policy to SCHED_IDLE
Feb 27 19:56:39 sai-VirtualBox tracker-extract[8704]: Setting priority nice level to 19
Feb 27 19:56:40 sai-VirtualBox dbus-daemon[827]: [session uid=1000 pid=827] Successfully activated service 'org.freedesktop.Tracker1.Miner.Extract'
Feb 27 19:56:40 sai-VirtualBox systemd[770]: Started Tracker metadata extractor.
Feb 27 19:56:50 sai-VirtualBox systemd[770]: tracker-extract.service: Succeeded.
Feb 27 19:57:10 sai-VirtualBox tracker-store[8694]: OK
Feb 27 19:57:10 sai-VirtualBox systemd[770]: tracker-store.service: Succeeded.
Feb 27 19:58:29 sai-VirtualBox dbus-daemon[827]: [session uid=1000 pid=827] Activating via systemd: service name='org.freedesktop.Tracker1' unit='tracker-store.service' requested by ':1.2' (uid=1000 pid=816 comm="/usr/libexec/tracker-miner-fs " label="unconfined")
Feb 27 19:58:29 sai-VirtualBox systemd[770]: Starting Tracker metadata database store and lookup manager...
Feb 27 19:58:29 sai-VirtualBox dbus-daemon[827]: [session uid=1000 pid=827] Successfully activated service 'org.freedesktop.Tracker1'
Feb 27 19:58:29 sai-VirtualBox systemd[770]: Started Tracker metadata database store and lookup manager.
Feb 27 19:58:29 sai-VirtualBox dbus-daemon[827]: [session uid=1000 pid=827] Activating via systemd: service name='org.freedesktop.Tracker1.Miner.Extract' unit='tracker-extract.service' requested by ':1.2' (uid=1000 pid=816 comm="/usr/libexec/tracker-miner-fs " label="unconfined")
Feb 27 19:58:29 sai-VirtualBox systemd[770]: Starting Tracker metadata extractor...
Feb 27 19:58:29 sai-VirtualBox tracker-extract[8743]: Set scheduler policy to SCHED_IDLE
Feb 27 19:58:29 sai-VirtualBox tracker-extract[8743]: Setting priority nice level to 19
Feb 27 19:58:29 sai-VirtualBox dbus-daemon[827]: [session uid=1000 pid=827] Successfully activated service 'org.freedesktop.Tracker1.Miner.Extract'
```

- 4) What command should I use to arrange the entries of a file Alphabetically

Command : `sort`

```
saisarathchandu@sai-VirtualBox:~$ cat .task5.txt
Bangalore
Chennai
Delhi
Amritapuri
Erode
saisarathchandu@sai-VirtualBox:~$ sort cat .task5.txt
sort: cannot read: cat: No such file or directory
saisarathchandu@sai-VirtualBox:~$ sort .task5.txt
Amritapuri
Bangalore
Chennai
Delhi
Erode
saisarathchandu@sai-VirtualBox:~$ sort -r .task5.txt
Erode
Delhi
Chennai
Bangalore
Amritapuri
```



Reverse order

Command : sort -r

```
saisarathchandu@sai-VirtualBox:~$ sort -r .task5.txt
Erode
Delhi
Chennai
Banglore
Amritapuri
```

Numerically

Command : sort -n

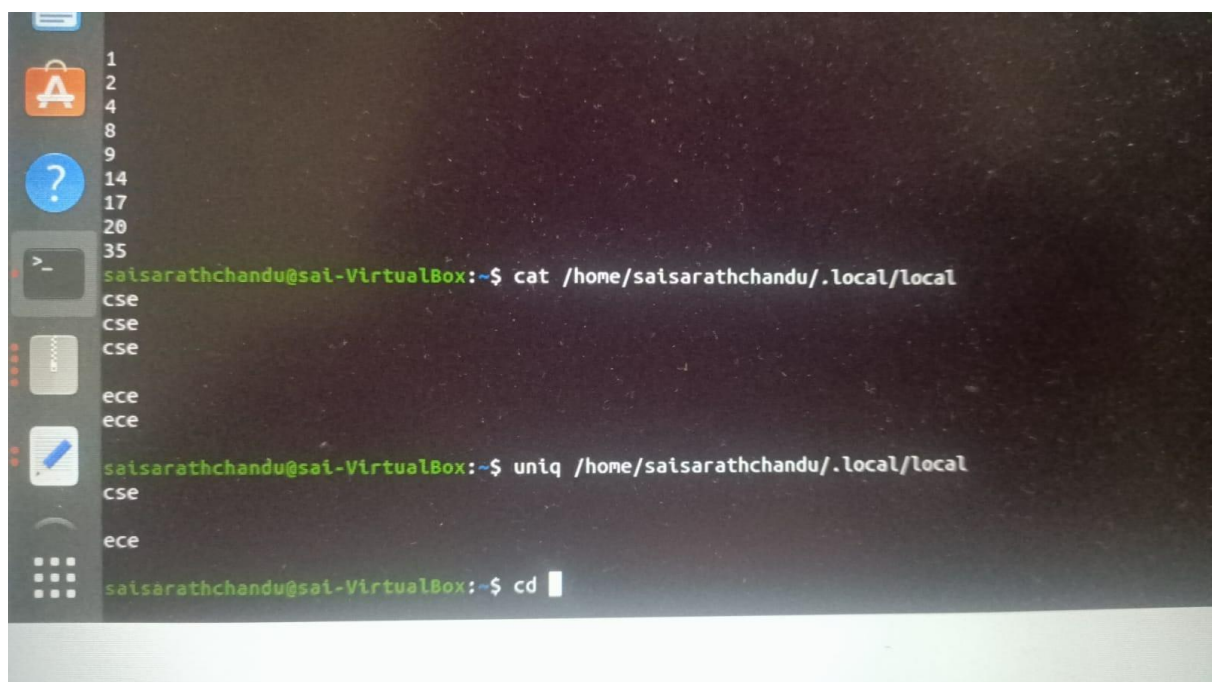
```
saisarathchandu@sai-VirtualBox:~$ cat filename.txt
1
4
8
17
20
2
9
35
14

saisarathchandu@sai-VirtualBox:~$ sort -n filename.txt
1
2
4
8
9
14
17
20
35

saisarathchandu@sai-VirtualBox:~$ cat /home/saisarathchan
```

5) Copee is a hard-working cop. He found a case and almost at the verge of cracking it. It could be his best breakthrough. He has the list of criminals but lots of duplicates are there. He needs to find the only one that is different. He sought your help. How will you sort this issue?

Ans : We can use uniq command here as this command helps us to detect the duplicate one .so I have made a small example to understand on this command .



```
salsarathchandu@sai-VirtualBox:~$ cat /home/salsarathchandu/.local/local
1
2
4
8
9
14
17
20
35
cse
cse
cse
ece
ece
salsarathchandu@sai-VirtualBox:~$ uniq /home/salsarathchandu/.local/local
cse
ece
salsarathchandu@sai-VirtualBox:~$ cd
```

6) What are the Three parts of file's permission

Ans : The three parts of a file's permission are :

Read, Write and Execute

Read : It allows users to read a file

Write : It allows users to make changes

Execute: Allows to make files and commands

