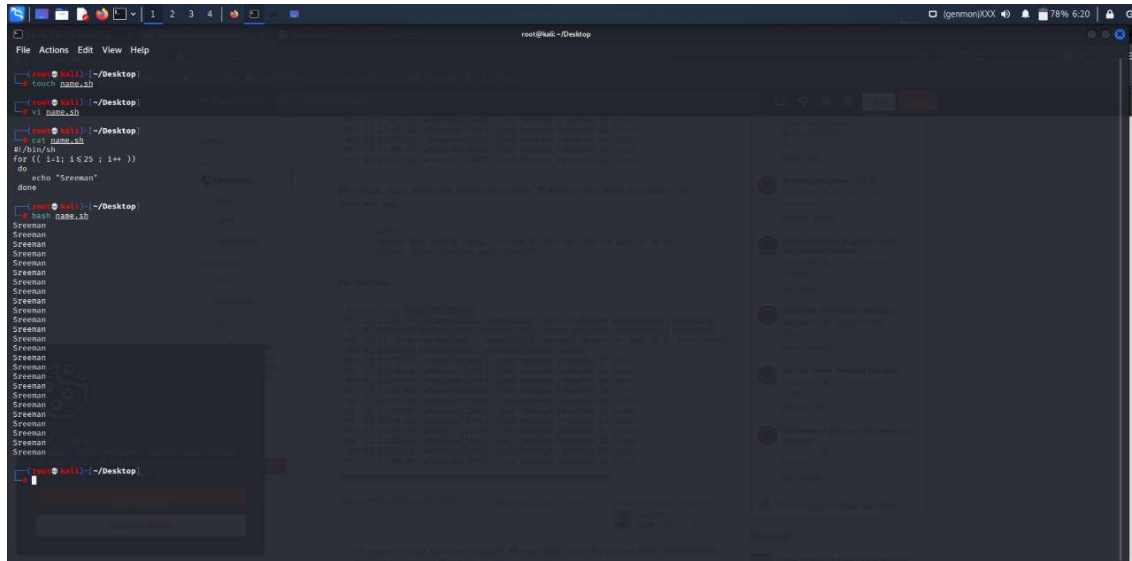


Part-2:

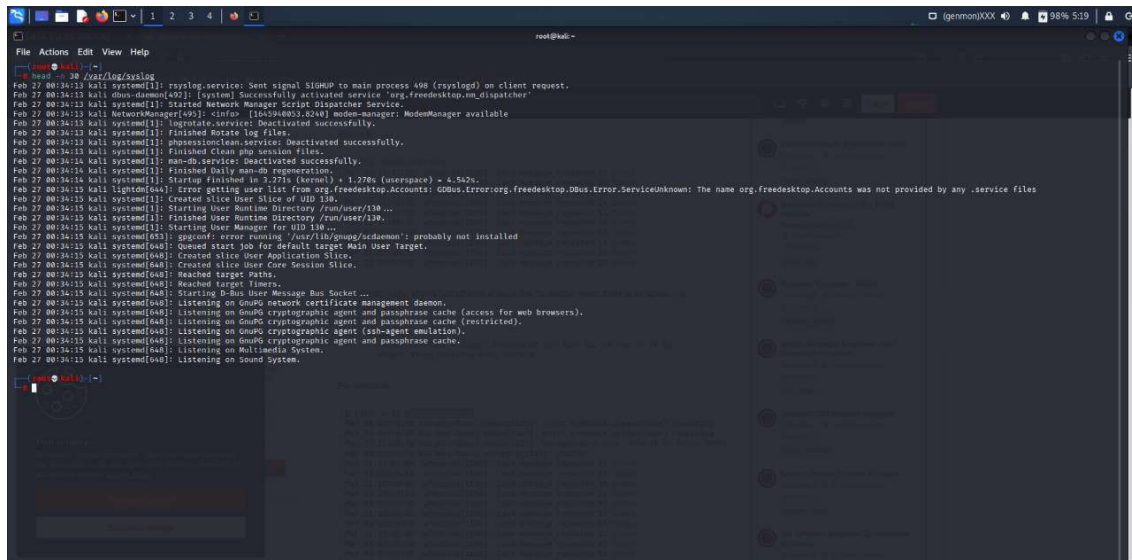
1. Write a bash script to echo your name 25 times ?



```
root@kali: ~/Desktop
File Actions Edit View Help
root@kali: ~/Desktop
touch name.sh
root@kali: ~/Desktop
vi name.sh
root@kali: ~/Desktop
cat name.sh
#!/bin/bash
for (( i=1; i<25; i++ ))
do
echo "Sreeman"
done
root@kali: ~/Desktop
bash name.sh
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
Sreeman
root@kali: ~/Desktop
```

2. What command should I use to view the first 30 entries of syslog file ?

Head -n 30 /var/log/syslog

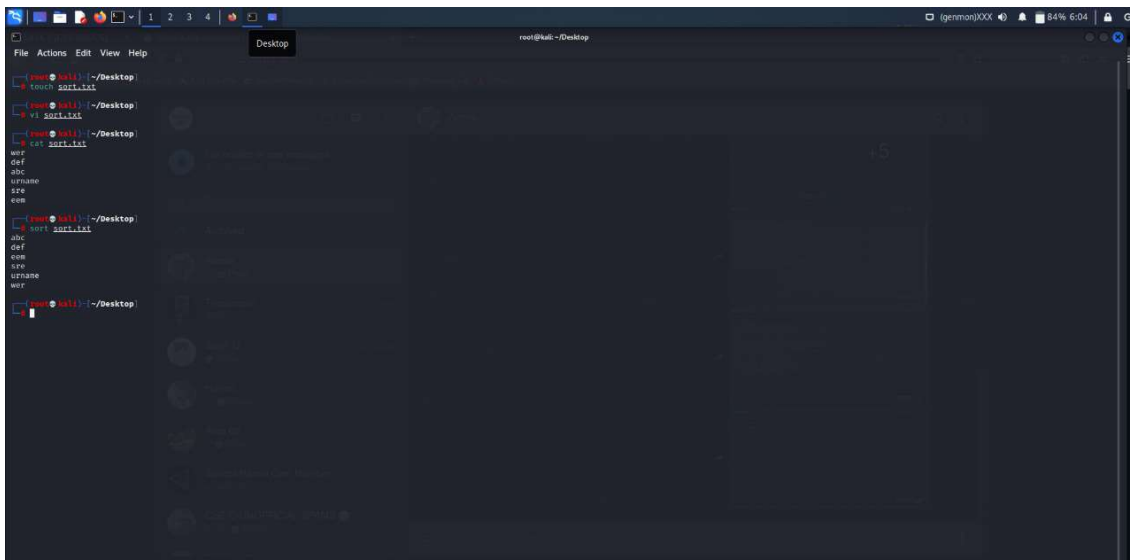


```
root@kali: ~
File Actions Edit View Help
root@kali: ~
head -n 30 /var/log/syslog
Feb 27 00:34:13 kali systemd[1]: rsyslog.service: Sent signal SIGKILL to main process 408 (rsyslogd) on client request.
Feb 27 00:34:13 kali dbus-daemon[402]: [system] Successfully activated service 'org.freedesktop_nm_dispatcher'
Feb 27 00:34:13 kali systemd[1]: Started Network Manager Script Dispatcher Service.
Feb 27 00:34:13 kali NetworkManager[495]: <info> [1653948053.6240] modem-manager: ModemManager available
Feb 27 00:34:13 kali systemd[1]: logrotate.service: Deactivated successfully.
Feb 27 00:34:13 kali systemd[1]: Finished Rotate log files.
Feb 27 00:34:13 kali systemd[1]: phsessionclean.service: Deactivated successfully.
Feb 27 00:34:13 kali systemd[1]: Finished Clean tmp session files.
Feb 27 00:34:14 kali systemd[1]: man-db.service: Deactivated successfully.
Feb 27 00:34:14 kali systemd[1]: Finished Daily man-db regeneration.
Feb 27 00:34:14 kali systemd[1]: Startup finished in 3.277s (kernel) + 1.278s (userspace) = 4.545s.
Feb 27 00:34:15 kali lightdm[644]: Error getting user list from org.freedesktop.Accounts: GDBus.Error:org.freedesktop.DBus.Error.ServiceUnknown: The name org.freedesktop.Accounts was not provided by any .service files
Feb 27 00:34:15 kali systemd[1]: Created slice User Slice of UID 138.
Feb 27 00:34:15 kali systemd[1]: Starting User Runtime Directory /run/user/138...
Feb 27 00:34:15 kali systemd[1]: Finished User Runtime Directory /run/user/138.
Feb 27 00:34:15 kali systemd[1]: Starting User Manager for UID 138...
Feb 27 00:34:15 kali systemd[648]: gpgconf: error running /usr/lib/gnupg/scdaemon: probably not installed
Feb 27 00:34:15 kali systemd[648]: Owned start job for default target Main User Target.
Feb 27 00:34:15 kali systemd[648]: Created slice User Application Slice.
Feb 27 00:34:15 kali systemd[648]: Created slice User Core Session Slice.
Feb 27 00:34:15 kali systemd[648]: Reached target Paths.
Feb 27 00:34:15 kali systemd[648]: Reached target Timers.
Feb 27 00:34:15 kali systemd[648]: Starting D-Bus User Message Bus Socket ...
Feb 27 00:34:15 kali systemd[648]: Listening on GnuPG network certificate management daemon.
Feb 27 00:34:15 kali systemd[648]: Listening on GnuPG cryptographic agent and passphrase cache (access for web browsers).
Feb 27 00:34:15 kali systemd[648]: Listening on GnuPG cryptographic agent and passphrase cache (restricted).
Feb 27 00:34:15 kali systemd[648]: Listening on GnuPG cryptographic agent (SSH-agent emulation).
Feb 27 00:34:15 kali systemd[648]: Listening on GnuPG cryptographic agent and passphrase cache.
Feb 27 00:34:15 kali systemd[648]: Listening on Multimedia System.
Feb 27 00:34:15 kali systemd[648]: Listening on Sound System.
root@kali: ~
```

Tail -n 30 /var/log/syslog



Sort <filename>



Reverse order:

Sort -r <filename>

```

root@kali: ~/Desktop
root@kali:~/Desktop# touch sort.txt
root@kali:~/Desktop# vi sort.txt
root@kali:~/Desktop# cat sort.txt
100
50
20
30
40
60
70
80
90
10
root@kali:~/Desktop# sort -n sort.txt
10
20
30
40
50
60
70
80
90
100
root@kali:~/Desktop# sort -r sort.txt
100
90
80
70
60
50
40
30
20
10
root@kali:~/Desktop#

```

Numerical order:

Sort -n <filename>

```

root@kali: ~/Desktop
File Actions Edit View Help

root@kali: ~/Desktop
$ touch numerical.txt

root@kali: ~/Desktop
$ vi numerical.txt

root@kali: ~/Desktop
$ cat numerical.txt
1
55
56
4
32
41

root@kali: ~/Desktop
$ sort -n numerical.txt
1
32
41
55
56

root@kali: ~/Desktop
$

```

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?

He could use uniq command to eliminate the duplicates. For eg

The screenshot shows a Kali Linux desktop environment. The terminal window is open, displaying the following commands and output:

```

root@kali: ~/Desktop
root@kali:~/Desktop# touch cat.txt
root@kali:~/Desktop# vi cat.txt
root@kali:~/Desktop# cat cat.txt
abc
abc
abc
def
root@kali:~/Desktop# echo abc cat.txt
abc
abc
abc
def

```

The desktop background features a large, faint Kali Linux dragon logo.

6. What are the Three parts of file's permission?

- ❖ Read
- ❖ Write
- ❖ Execute