TASK 5

PART 2

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

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

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

```
moulika@moulika-VirtualBox:~$ tail -n 30 /var/log/syslog
Feb 25 20:08:11 moulika-VirtualBox dbus-daemon[1380]: [session uid=1000 pid=1380] Successfully activated service 'org.freedesktop.Tracker1'
Feb 25 20:08:11 moulika-VirtualBox systemd[1369]: Started Tracker metadata database store and lookup manager.
Feb 25 20:08:11 moulika-VirtualBox dbus-daemon[1380]: [session uid=1000 pid=1380] Activating via systemd: service name='org.freedesktop.Tracke
r1.Miner.Extract' unit='tracker-extract.service' requested by ':1.1' (uid=1000 pid=1377 comm="/usr/libexec/tracker-miner-fs " label="unconfine
d")
Feb 25 20:08:11 moulika-VirtualBox systemd[1369]: Starting Tracker metadata extractor...
Feb 25 20:08:11 moulika-VirtualBox tracker-extract[5072]: Set scheduler policy to SCHED_IDLE
Feb 25 20:08:11 moulika-VirtualBox tracker-extract[5072]: Setting priority nice level to 19
Feb 25 20:08:11 moulika-VirtualBox dbus-daemon[1380]: [session uid=1000 pid=1380] Successfully activated service 'org.freedesktop.Tracker1.Min
er.Extract'
Feb 25 20:08:11 moulika-VirtualBox systemd[1369]: Started Tracker metadata extractor.
Feb 25 20:08:22 moulika-VirtualBox systemd[1369]: tracker-extract.service: Succeeded.
Feb 25 20:08:42 moulika-VirtualBox tracker-store[5065]: OK
Feb 25 20:08:42 moulika-VirtualBox systemd[1369]: tracker-store.service: Succeeded.
Feb 25 20:17:01 moulika-VirtualBox CRON[5123]: (root) CMD (   cd / && run-parts --report /etc/cron.hourly)
Feb 25 20:26:08 moulika-VirtualBox NetworkManager[642]: <info>  [1645800968.3580] manager: NetworkManager state is now CONNECTED_SITE
Feb 25 20:26:08 moulika-VirtualBox systemd[1]: Starting Network Manager Script Dispatcher Service...
Feb 25 20:26:08 moulika-VirtualBox whoopsie[785]: [20:26:08] offline
Feb 25 20:26:08 moulika-VirtualBox dbus-daemon[641]: [system] Activating via systemd: service name='org.freedesktop.nm_dispatcher' unit='dbus-
org.freedesktop.nm-dispatcher.service' requested by ':1.13' (uid=0 pid=642 comm="/usr/sbin/NetworkManager --no-daemon " label="unconfined")
Feb 25 20:26:08 moulika-VirtualBox systemd[1]: Started Network Manager Script Dispatcher Service.
Feb 25 20:26:08 moulika-VirtualBox dbus-daemon[641]: [system] Successfully activated service 'org.freedesktop.nm_dispatcher'
Feb 25 20:26:08 moulika-VirtualBox NetworkManager[642]: <info>  [1645800968.8184] manager: NetworkManager state is now CONNECTED_GLOBAL
Feb 25 20:26:08 moulika-VirtualBox whoopsie[785]: [20:26:08] The default IPv4 route is: /org/freedesktop/NetworkManager/ActiveConnection/1
Feb 25 20:26:08 moulika-VirtualBox whoopsie[785]: [20:26:08] Not a paid data plan: /org/freedesktop/NetworkManager/ActiveConnection/1
Feb 25 20:26:08 moulika-VirtualBox whoopsie[785]: [20:26:08] Found usable connection: /org/freedesktop/NetworkManager/ActiveConnection/1
Feb 25 20:26:10 moulika-VirtualBox whoopsie[785]: [20:26:10] online
Feb 25 20:26:19 moulika-VirtualBox systemd[1]: NetworkManager-dispatcher.service: Succeeded.
Feb 25 20:30:01 moulika-VirtualBox CRON[5193]: (root) CMD ([ -x /etc/init.d/anacron ] && if [ ! -d /run/systemd/system ]; then /usr/sbin/invok
e-rc.d anacron start >/dev/null; fi)
Feb 25 20:32:11 moulika-VirtualBox systemd[1]: Started Run anacron jobs.
Feb 25 20:32:11 moulika-VirtualBox systemd[1]: anacron.service: Succeeded.
Feb 25 20:32:11 moulika-VirtualBox anacron[5204]: Anacron 2.3 started on 2022-02-25
Feb 25 20:32:11 moulika-VirtualBox anacron[5204]: Normal exit (0 jobs run)
Feb 25 20:58:37 moulika-VirtualBox gnome-shell[1651]: ../clutter/clutter/clutter-actor.c:10558: The clutter_actor_set_allocation() function ca
n only be called from within the implementation of the ClutterActor::allocate() virtual function.
moulika@moulika-VirtualBox:~$
```

4. What command should I use to arrange the entries of a file?

a. Alphabetically

```
moulika@moulika-VirtualBox:~/Desktop$ touch test1.txt
moulika@moulika-VirtualBox:~/Desktop$ sort test1.txt

a
b
c
d
e
f
g
```

b. Reverse

```
g
moulika@moulika-VirtualBox:~/Desktop$ sort -r test1.txt
g
f
e
d
c
b
a
```

c. Numeric

```
moulika@moulika-VirtualBox:~/Desktop$ sort -n test1.txt
0
1
2
3
4
5
6
7
8
9
moulika@moulika-VirtualBox:~/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?

Ans : sort <filename> | uniq --c

6. What are the four parts of file's permission?
   1. Read
   2. Write
   3. Delete
   4. Execute