

PART -2

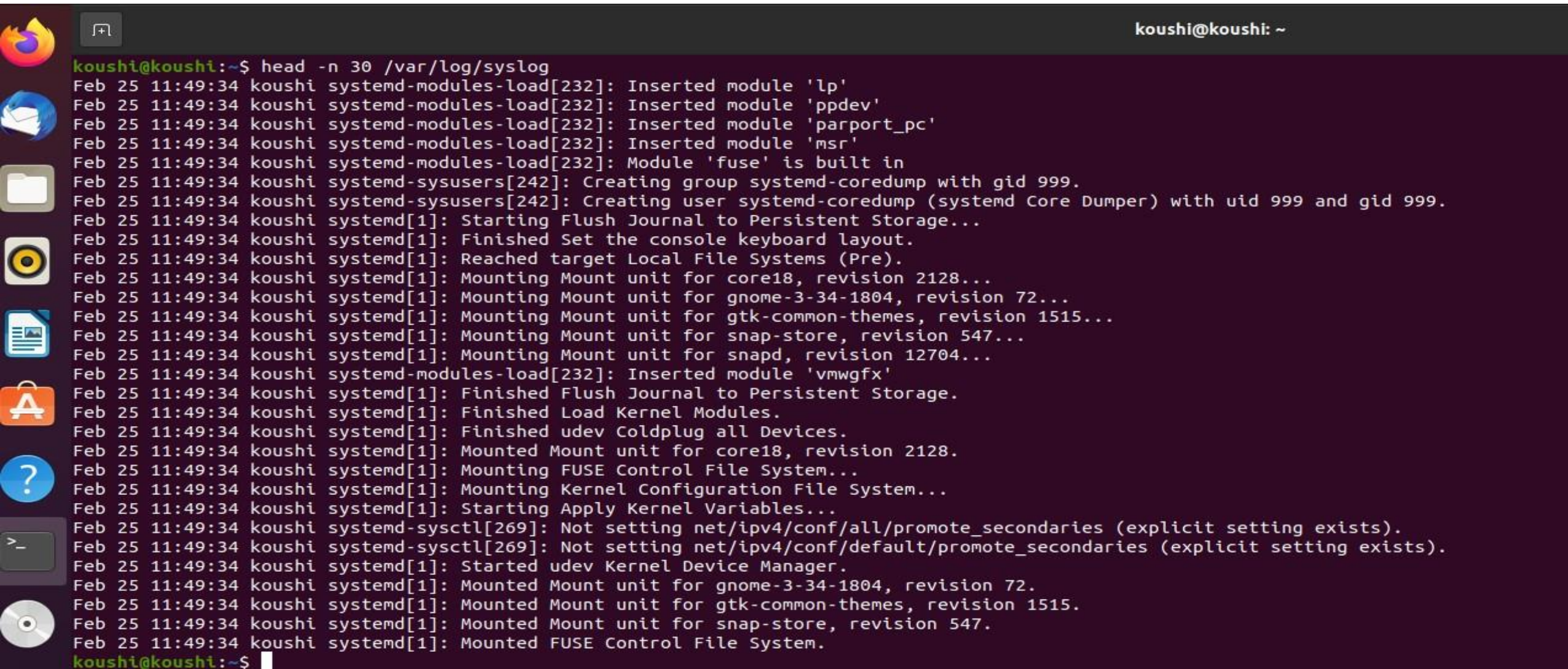
The background of the image is a solid black field. Overlaid on this are numerous thin, glowing lines in shades of blue and purple. These lines are mostly diagonal, running from the top-left towards the bottom-right, but they are not perfectly straight, giving them a sense of motion or energy. The lines vary in brightness, with some appearing as sharp, intense streaks and others as softer, more diffuse glows. The overall effect is a dynamic, abstract pattern that suggests a complex network or a high-speed data flow.

Write a bash script to echo your name 25 times

[illegible]

Question-2

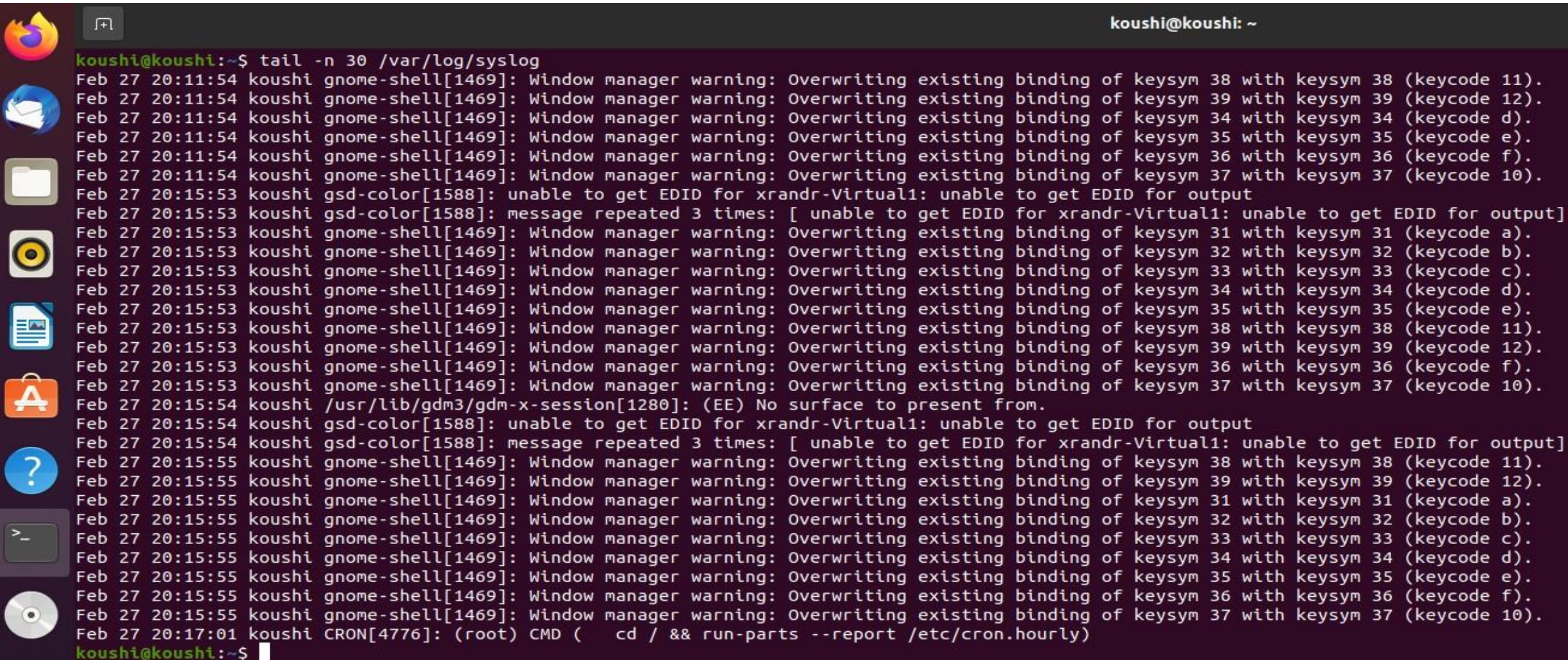
What command should I use to display the **first** 30 entries of syslog file?



```
koushi@koushi: ~  
koushi@koushi:~$ head -n 30 /var/log/syslog  
Feb 25 11:49:34 koushi systemd-modules-load[232]: Inserted module 'lp'  
Feb 25 11:49:34 koushi systemd-modules-load[232]: Inserted module 'ppdev'  
Feb 25 11:49:34 koushi systemd-modules-load[232]: Inserted module 'parport_pc'  
Feb 25 11:49:34 koushi systemd-modules-load[232]: Inserted module 'msr'  
Feb 25 11:49:34 koushi systemd-modules-load[232]: Module 'fuse' is built in  
Feb 25 11:49:34 koushi systemd-sysusers[242]: Creating group systemd-coredump with gid 999.  
Feb 25 11:49:34 koushi systemd-sysusers[242]: Creating user systemd-coredump (systemd Core Dumper) with uid 999 and gid 999.  
Feb 25 11:49:34 koushi systemd[1]: Starting Flush Journal to Persistent Storage...  
Feb 25 11:49:34 koushi systemd[1]: Finished Set the console keyboard layout.  
Feb 25 11:49:34 koushi systemd[1]: Reached target Local File Systems (Pre).  
Feb 25 11:49:34 koushi systemd[1]: Mounting Mount unit for core18, revision 2128...  
Feb 25 11:49:34 koushi systemd[1]: Mounting Mount unit for gnome-3-34-1804, revision 72...  
Feb 25 11:49:34 koushi systemd[1]: Mounting Mount unit for gtk-common-themes, revision 1515...  
Feb 25 11:49:34 koushi systemd[1]: Mounting Mount unit for snap-store, revision 547...  
Feb 25 11:49:34 koushi systemd[1]: Mounting Mount unit for snapd, revision 12704...  
Feb 25 11:49:34 koushi systemd-modules-load[232]: Inserted module 'vmwgfx'  
Feb 25 11:49:34 koushi systemd[1]: Finished Flush Journal to Persistent Storage.  
Feb 25 11:49:34 koushi systemd[1]: Finished Load Kernel Modules.  
Feb 25 11:49:34 koushi systemd[1]: Finished udev Coldplug all Devices.  
Feb 25 11:49:34 koushi systemd[1]: Mounted Mount unit for core18, revision 2128.  
Feb 25 11:49:34 koushi systemd[1]: Mounting FUSE Control File System...  
Feb 25 11:49:34 koushi systemd[1]: Mounting Kernel Configuration File System...  
Feb 25 11:49:34 koushi systemd[1]: Starting Apply Kernel Variables...  
Feb 25 11:49:34 koushi systemd-sysctl[269]: Not setting net/ipv4/conf/all/promote_secondaries (explicit setting exists).  
Feb 25 11:49:34 koushi systemd-sysctl[269]: Not setting net/ipv4/conf/default/promote_secondaries (explicit setting exists).  
Feb 25 11:49:34 koushi systemd[1]: Started udev Kernel Device Manager.  
Feb 25 11:49:34 koushi systemd[1]: Mounted Mount unit for gnome-3-34-1804, revision 72.  
Feb 25 11:49:34 koushi systemd[1]: Mounted Mount unit for gtk-common-themes, revision 1515.  
Feb 25 11:49:34 koushi systemd[1]: Mounted Mount unit for snap-store, revision 547.  
Feb 25 11:49:34 koushi systemd[1]: Mounted FUSE Control File System.  
koushi@koushi:~$
```


Question-3

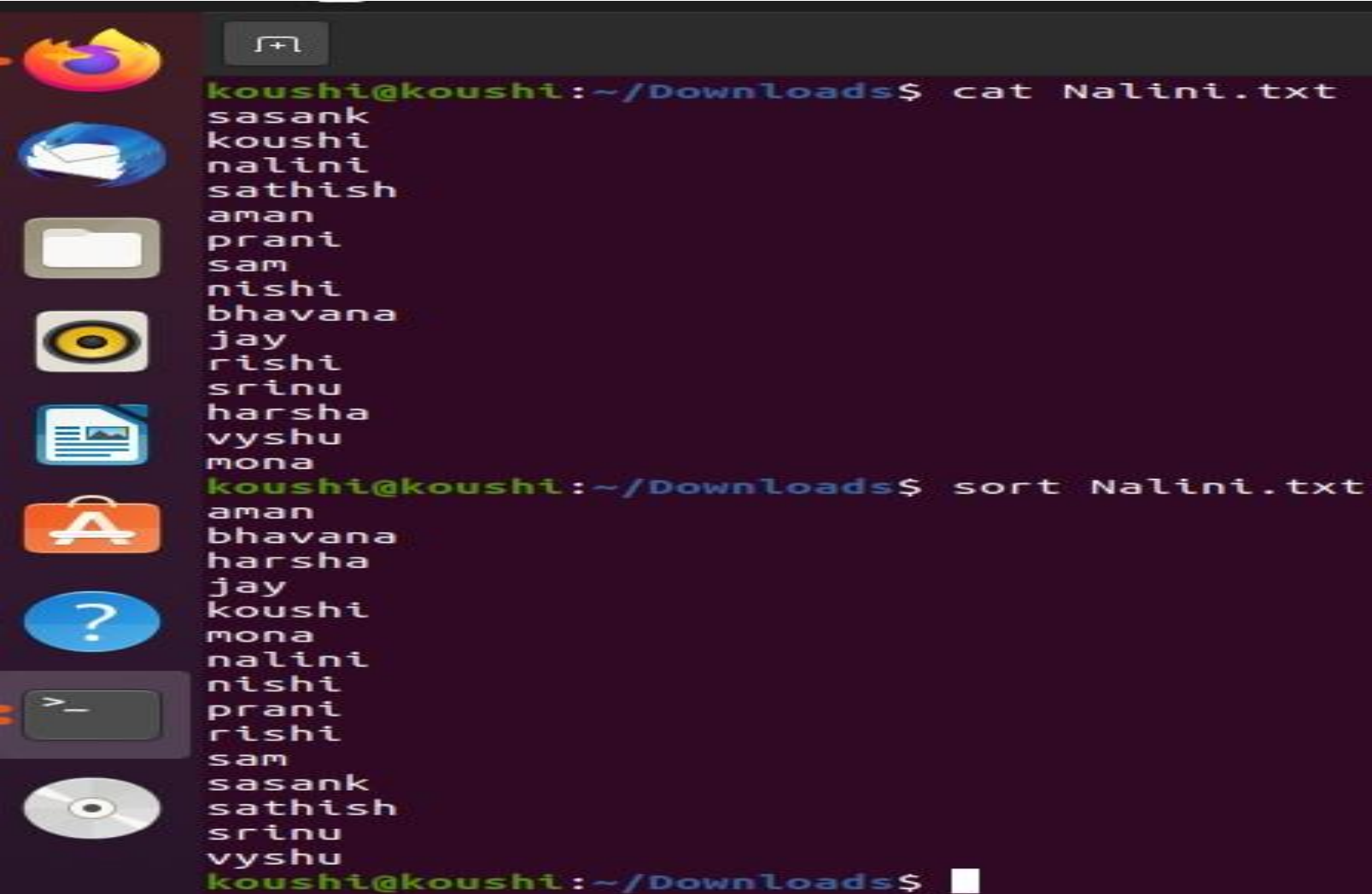
What command should I use to display the last 30 entries of syslog file?



```
koushi@koushi: ~  
koushi@koushi:~$ tail -n 30 /var/log/syslog  
Feb 27 20:11:54 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 38 with keysym 38 (keycode 11).  
Feb 27 20:11:54 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 39 with keysym 39 (keycode 12).  
Feb 27 20:11:54 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 34 with keysym 34 (keycode d).  
Feb 27 20:11:54 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode e).  
Feb 27 20:11:54 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).  
Feb 27 20:11:54 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode 10).  
Feb 27 20:15:53 koushi gsd-color[1588]: unable to get EDID for xrandr-Virtual1: unable to get EDID for output  
Feb 27 20:15:53 koushi gsd-color[1588]: message repeated 3 times: [ unable to get EDID for xrandr-Virtual1: unable to get EDID for output]  
Feb 27 20:15:53 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 31 with keysym 31 (keycode a).  
Feb 27 20:15:53 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 32 with keysym 32 (keycode b).  
Feb 27 20:15:53 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 33 with keysym 33 (keycode c).  
Feb 27 20:15:53 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 34 with keysym 34 (keycode d).  
Feb 27 20:15:53 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode e).  
Feb 27 20:15:53 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 38 with keysym 38 (keycode 11).  
Feb 27 20:15:53 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 39 with keysym 39 (keycode 12).  
Feb 27 20:15:53 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).  
Feb 27 20:15:53 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode 10).  
Feb 27 20:15:54 koushi /usr/lib/gdm3/gdm-x-session[1280]: (EE) No surface to present from.  
Feb 27 20:15:54 koushi gsd-color[1588]: unable to get EDID for xrandr-Virtual1: unable to get EDID for output  
Feb 27 20:15:54 koushi gsd-color[1588]: message repeated 3 times: [ unable to get EDID for xrandr-Virtual1: unable to get EDID for output]  
Feb 27 20:15:55 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 38 with keysym 38 (keycode 11).  
Feb 27 20:15:55 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 39 with keysym 39 (keycode 12).  
Feb 27 20:15:55 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 31 with keysym 31 (keycode a).  
Feb 27 20:15:55 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 32 with keysym 32 (keycode b).  
Feb 27 20:15:55 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 33 with keysym 33 (keycode c).  
Feb 27 20:15:55 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 34 with keysym 34 (keycode d).  
Feb 27 20:15:55 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode e).  
Feb 27 20:15:55 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).  
Feb 27 20:15:55 koushi gnome-shell[1469]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode 10).  
Feb 27 20:17:01 koushi CRON[4776]: (root) CMD ( cd / && run-parts --report /etc/cron.hourly)  
koushi@koushi:~$
```


Question-3 (a)

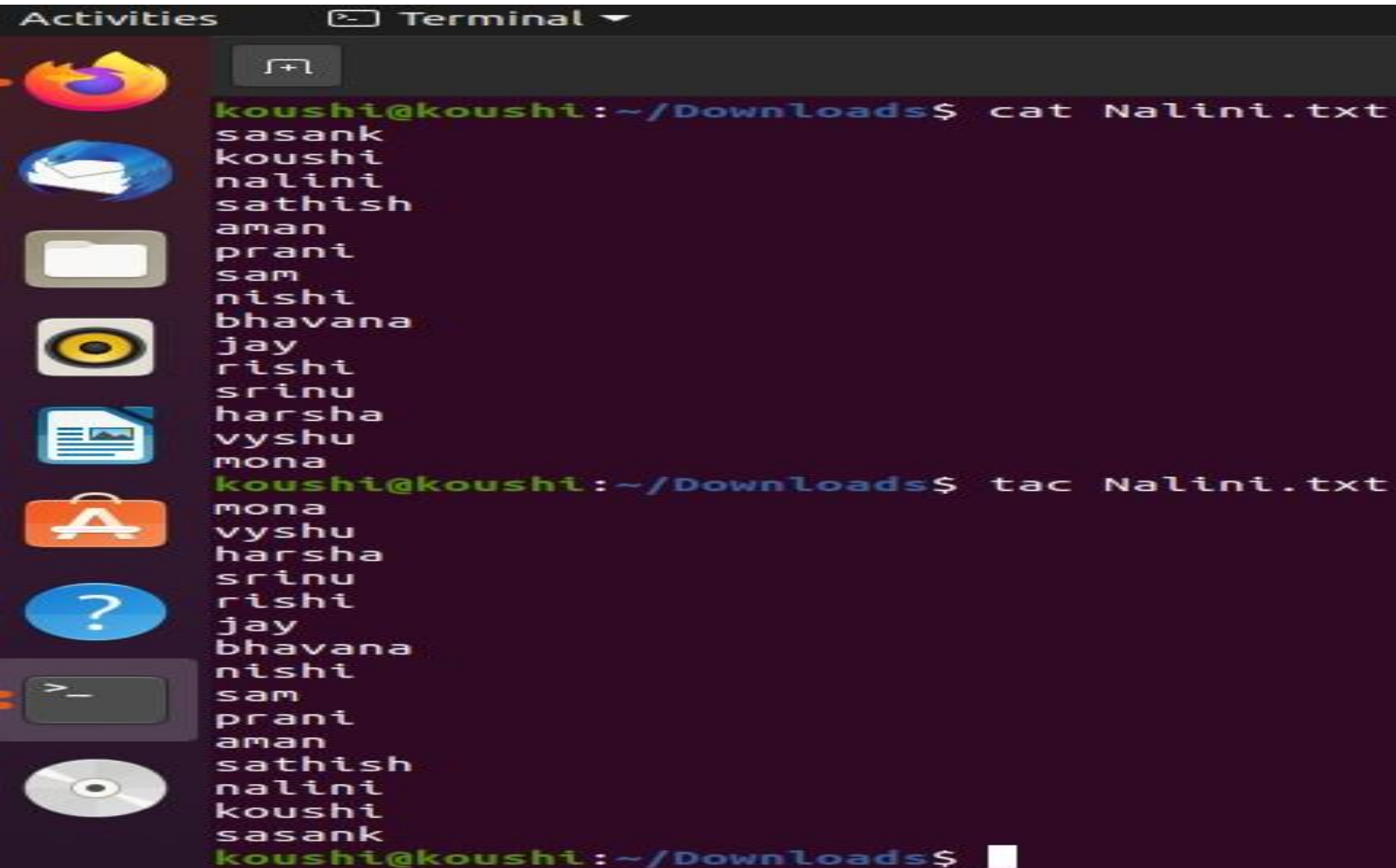
What command should I use to arrange the entries of a file ?
Alphabetically



```
koushi@koushi:~/Downloads$ cat Nalini.txt
sasank
koushi
nalini
sathish
aman
prani
sam
nishi
bhavana
jay
rishi
srinu
harsha
vyshu
mona
koushi@koushi:~/Downloads$ sort Nalini.txt
aman
bhavana
harsha
jay
koushi
mona
nalini
nishi
prani
rishi
sam
sasank
sathish
srinu
vyshu
koushi@koushi:~/Downloads$
```

Question-3 (b)

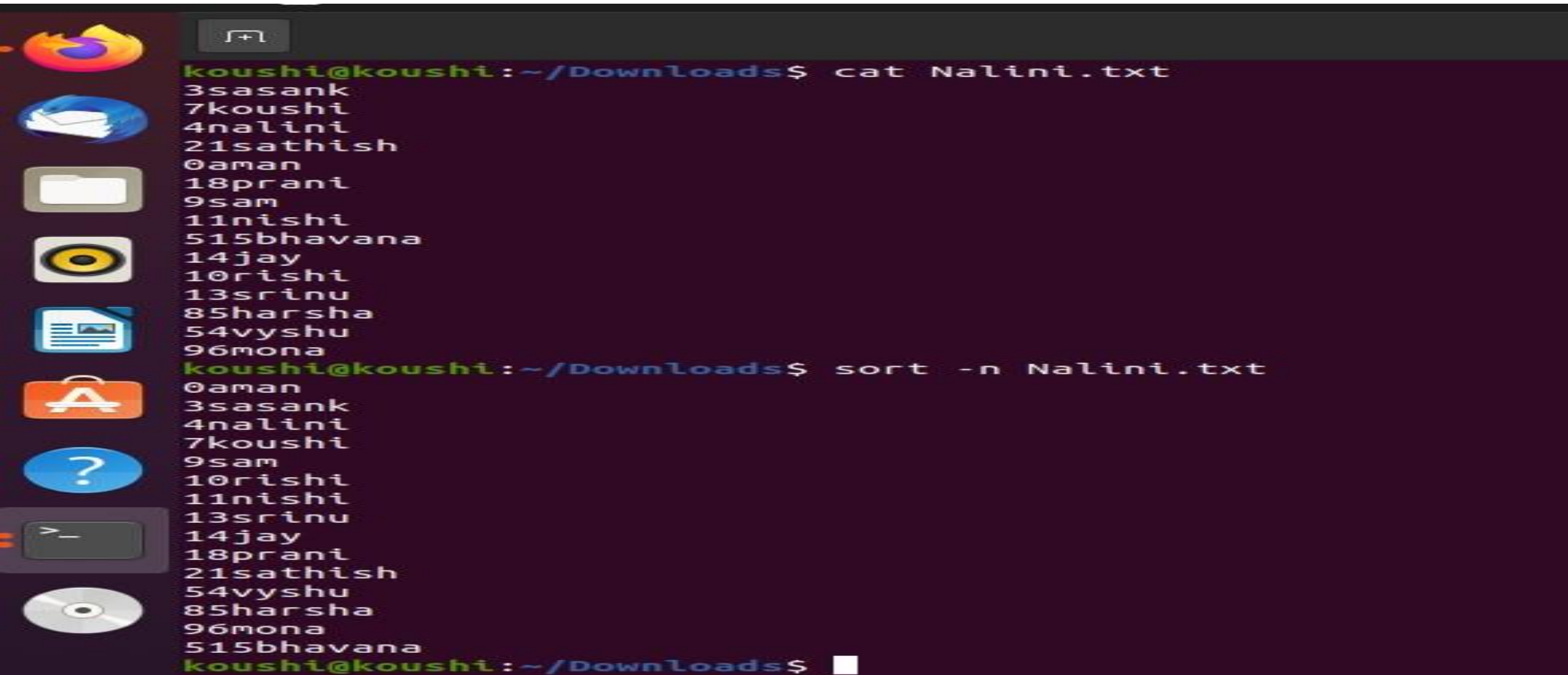
Reverse order

A terminal window titled 'Terminal' with a dark background. On the left is a vertical sidebar with icons for various applications: Firefox, Files, Home, Music, Videos, Applications, Help, and a terminal icon which is currently selected. The terminal shows the user 'koushi' at 'koushi' in the directory '~/Downloads'. The first command is 'cat Nalini.txt', which outputs a list of names: sasank, koushi, nalini, sathish, aman, prani, sam, nishi, bhavana, jay, rishi, srinu, harsha, vyshu, mona. The second command is 'tac Nalini.txt', which outputs the same list of names in reverse order: mona, vyshu, harsha, srinu, rishi, jay, bhavana, nishi, sam, prani, aman, sathish, nalini, koushi, sasank. The prompt is currently at the end of the second command.

```
koushi@koushi:~/Downloads$ cat Nalini.txt
sasank
koushi
nalini
sathish
aman
prani
sam
nishi
bhavana
jay
rishi
srinu
harsha
vyshu
mona
koushi@koushi:~/Downloads$ tac Nalini.txt
mona
vyshu
harsha
srinu
rishi
jay
bhavana
nishi
sam
prani
aman
sathish
nalini
koushi
sasank
koushi@koushi:~/Downloads$
```

Question-3 (c)

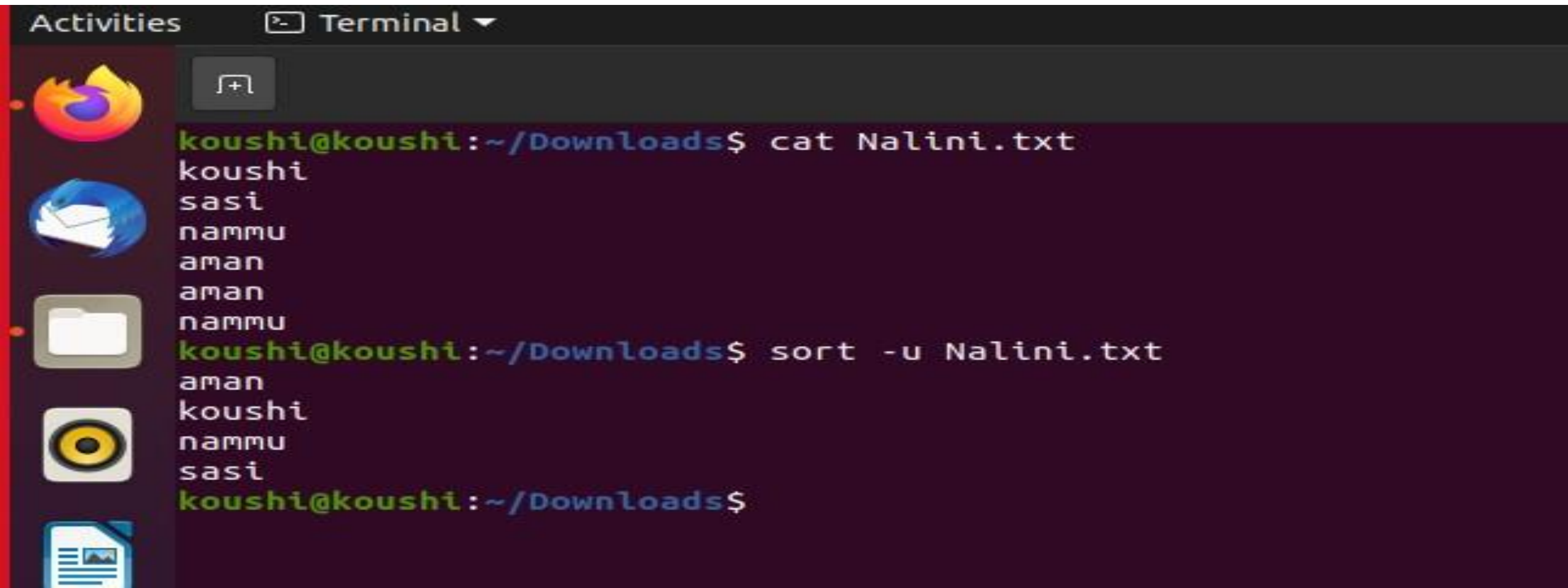
Numerical order



```
koushi@koushi:~/Downloads$ cat Nalini.txt
3sasank
7koushi
4nalini
21sathish
0aman
18pranti
9sam
11nishi
515bhavana
14jay
10rishi
13srinu
85harsha
54vyshu
96mona
koushi@koushi:~/Downloads$ sort -n Nalini.txt
0aman
3sasank
4nalini
7koushi
9sam
10rishi
11nishi
13srinu
14jay
18pranti
21sathish
54vyshu
85harsha
96mona
515bhavana
koushi@koushi:~/Downloads$
```

Question- 4

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?

A screenshot of a Linux terminal window. The window has a dark theme with a sidebar on the left showing icons for Firefox, a mail client, a file manager, a music player, and a document viewer. The terminal title bar says 'Activities' and 'Terminal'. The prompt is 'koushi@koushi:~/Downloads\$'. The first command is 'cat Nalini.txt', which outputs a list of names: 'koushi', 'sasi', 'nammu', 'aman', 'aman', 'nammu'. The second command is 'sort -u Nalini.txt', which outputs the unique names: 'aman', 'koushi', 'nammu', 'sasi'. The prompt returns to 'koushi@koushi:~/Downloads\$'.

```
koushi@koushi:~/Downloads$ cat Nalini.txt
koushi
sasi
nammu
aman
aman
nammu
koushi@koushi:~/Downloads$ sort -u Nalini.txt
aman
koushi
nammu
sasi
koushi@koushi:~/Downloads$
```


What are the Three parts of file's permission?

- ❖ Read
- ❖ Write
- ❖ execute