

Write a bash script to echo your name 25 times .

[illegible]

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

=> `head -n 30 /var/log/syslog`

```
s Terminal Feb 27 20:17
aman@aman: ~
aman@aman:~$ head -n 30 /var/log/syslog
Feb 24 19:11:31 aman systemd[1]: Finished Remount Root and Kernel File Systems.
Feb 24 19:11:31 aman systemd[1]: Finished Uncomplicated firewall.
Feb 24 19:11:31 aman systemd[1]: Activating swap /swapfile...
Feb 24 19:11:31 aman systemd[1]: Condition check resulted in Rebuild Hardware Database being skipped.
Feb 24 19:11:31 aman systemd[1]: Starting Flush Journal to Persistent Storage...
Feb 24 19:11:31 aman systemd[1]: Condition check resulted in Platform Persistent Storage Archival being skipped.
Feb 24 19:11:31 aman systemd[1]: Starting Load/Save Random Seed...
Feb 24 19:11:31 aman systemd[1]: Starting Create System Users...
Feb 24 19:11:31 aman systemd[1]: modprobe@drm.service: Succeeded.
Feb 24 19:11:31 aman systemd[1]: Finished Load Kernel Module drm.
Feb 24 19:11:31 aman systemd[1]: Finished Set the console keyboard layout.
Feb 24 19:11:31 aman systemd[1]: Finished udev Coldplug all Devices.
Feb 24 19:11:31 aman systemd-modules-load[240]: Inserted module 'lp'
Feb 24 19:11:31 aman systemd-modules-load[240]: Inserted module 'ppdev'
Feb 24 19:11:31 aman systemd-modules-load[240]: Inserted module 'parport_pc'
Feb 24 19:11:31 aman systemd[1]: Activated swap /swapfile.
Feb 24 19:11:31 aman systemd[1]: Reached target Swap.
Feb 24 19:11:31 aman systemd[1]: Finished Load/Save Random Seed.
Feb 24 19:11:31 aman systemd-modules-load[240]: Inserted module 'msr'
Feb 24 19:11:31 aman systemd[1]: Finished Flush Journal to Persistent Storage.
Feb 24 19:11:31 aman systemd-modules-load[240]: Module 'fuse' is built in
Feb 24 19:11:31 aman systemd-sysusers[253]: Creating group systemd-coredump with gid 999.
Feb 24 19:11:31 aman systemd-sysusers[253]: Creating user systemd-coredump (systemd Core Dumper) with uid 999 and gid 999.
Feb 24 19:11:31 aman systemd[1]: Finished Create System Users.
Feb 24 19:11:31 aman systemd[1]: Starting Create Static Device Nodes in /dev...
Feb 24 19:11:31 aman systemd-modules-load[240]: Inserted module 'vmwgfx'
Feb 24 19:11:31 aman systemd[1]: Finished Load Kernel Modules.
Feb 24 19:11:31 aman systemd[1]: Mounting FUSE Control File System...
Feb 24 19:11:31 aman systemd[1]: Mounting Kernel Configuration File System...
Feb 24 19:11:31 aman systemd[1]: Starting Apply Kernel Variables...
aman@aman:~$
```

What command should I use to display the **last** 30 entries of syslog file?
=> tail -n 30 fine_Name

```
aman@aman:~$ tail -n 30 /var/log/syslog
Feb 27 20:12:47 aman gnome-shell[1654]: Window manager warning: Overwriting existing binding of keysym 32 with keysym 32 (keycode b).
Feb 27 20:12:47 aman gnome-shell[1654]: Window manager warning: Overwriting existing binding of keysym 33 with keysym 33 (keycode c).
Feb 27 20:12:47 aman gnome-shell[1654]: Window manager warning: Overwriting existing binding of keysym 39 with keysym 39 (keycode 12).
Feb 27 20:12:47 aman gnome-shell[1654]: Window manager warning: Overwriting existing binding of keysym 31 with keysym 31 (keycode a).
Feb 27 20:12:47 aman gnome-shell[1654]: Window manager warning: Overwriting existing binding of keysym 34 with keysym 34 (keycode d).
Feb 27 20:12:47 aman gnome-shell[1654]: Window manager warning: Overwriting existing binding of keysym 35 with keysym 35 (keycode e).
Feb 27 20:12:47 aman gnome-shell[1654]: Window manager warning: Overwriting existing binding of keysym 36 with keysym 36 (keycode f).
Feb 27 20:12:47 aman gnome-shell[1654]: Window manager warning: Overwriting existing binding of keysym 37 with keysym 37 (keycode 10).
Feb 27 20:12:47 aman gnome-shell[1654]: Window manager warning: Overwriting existing binding of keysym 38 with keysym 38 (keycode 11).
Feb 27 20:12:48 aman systemd[1]: fprintd.service: Succeeded.
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Activating service name='org.gnome.ControlCenter.SearchProvider' requested by ':1.43' (uid=1000 pid=1654 comm="/usr/bin/gnome-shell " label="unconfined")
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Activating service name='org.gnome.Nautilus' requested by ':1.43' (uid=1000 pid=1654 comm="/usr/bin/gnome-shell " label="unconfined")
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Activating service name='org.gnome.Calculator.SearchProvider' requested by ':1.43' (uid=1000 pid=1654 comm="/usr/bin/gnome-shell " label="unconfined")
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Activating service name='org.gnome.Characters.BackgroundService' requested by ':1.43' (uid=1000 pid=1654 comm="/usr/bin/gnome-shell " label="unconfined")
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Activating service name='org.gnome.seahorse.Application' requested by ':1.43' (uid=1000 pid=1654 comm="/usr/bin/gnome-shell " label="unconfined")
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Activating via systemd: service name='org.gnome.Terminal' unit='gnome-terminal-server.service' requested by ':1.43' (uid=1000 pid=1654 comm="/usr/bin/gnome-shell " label="unconfined")
Feb 27 20:12:57 aman systemd[1358]: Starting GNOME Terminal Server...
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Successfully activated service 'org.gnome.ControlCenter.SearchProvider'
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Successfully activated service 'org.gnome.seahorse.Application'
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Successfully activated service 'org.gnome.Terminal'
Feb 27 20:12:57 aman systemd[1358]: Started GNOME Terminal Server.
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Successfully activated service 'org.gnome.Characters.BackgroundService'
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Successfully activated service 'org.gnome.Nautilus'
Feb 27 20:12:57 aman dbus-daemon[1369]: [session uid=1000 pid=1369] Successfully activated service 'org.gnome.Calculator.SearchProvider'
Feb 27 20:12:57 aman gnome-calculator[3282]: search-provider.vala:140: Failed to spawn Calculator: Child process killed by signal 9
Feb 27 20:12:57 aman gnome-calculator[3282]: search-provider.vala:140: Failed to spawn Calculator: Child process killed by signal 9
Feb 27 20:12:59 aman systemd[1358]: Started Application launched by gnome-shell.
Feb 27 20:12:59 aman systemd[1358]: Started VTE child process 3354 launched by gnome-terminal-server process 3285.
Feb 27 20:12:59 aman systemd[1358]: gnome-launched-org.gnome.Terminal.desktop-3345.scope: Succeeded.
Feb 27 20:17:01 aman CRON[3373]: (root) CMD ( cd / && run-parts --report /etc/cron.hourly)
aman@aman:~$
```

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

- Alphabetically

=> `sort file_name`

```
aman@aman: ~/Downloads/Main_Dir...
aman@aman:~/Downloads/Main_Directory$ cat z.txt
aman
sumant
ritik
fjdk
rahul
lhk
tof
aman@aman:~/Downloads/Main_Directory$ sort z.txt
aman
fjdk
lhk
rahul
ritik
sumant
tof
```

- Reverse Order

=> `tac file_name`

```
aman@aman: ~/Downloads/Main_Dir...
aman@aman:~/Downloads/Main_Directory$ cat z.txt
aman
sumant
ritik
fjdk
rahul
lhk
tof
aman@aman:~/Downloads/Main_Directory$ tac z.txt
tof
lhk
rahul
fjdk
ritik
sumant
aman
```

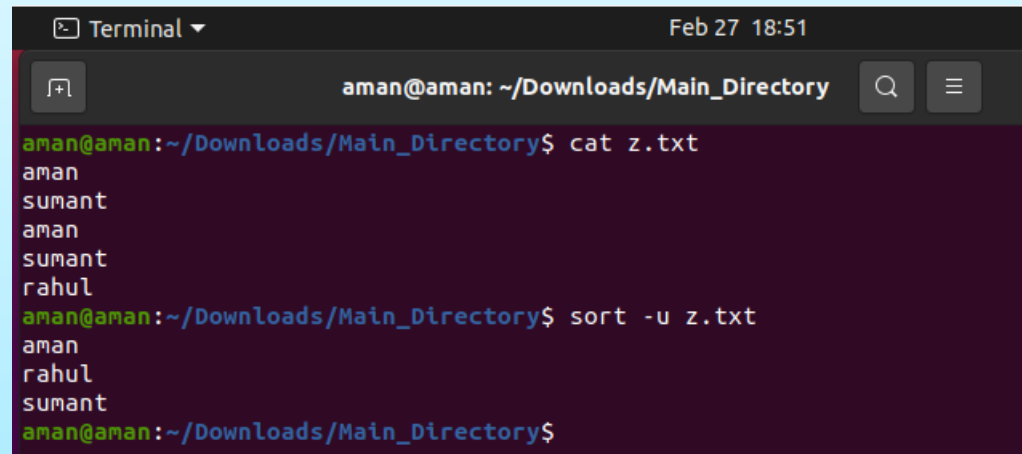
- Numerical order

=> `sort -n file_name`

```
aman@aman: ~/Downloads/Main_Dir...
aman@aman:~/Downloads/Main_Directory$ cat z.txt
3aman
5sumant
4ritik
2fjdk
1rahul
7lhk
6tof
aman@aman:~/Downloads/Main_Directory$ sort -n z.txt
1rahul
2fjdk
3aman
4ritik
5sumant
6tof
7lhk
aman@aman:~/Downloads/Main_Directory$
```

- 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?

=> `sort -u file_name`

A terminal window titled 'Terminal' with a timestamp of 'Feb 27 18:51'. The prompt is 'aman@aman: ~/Downloads/Main_Directory'. The user enters 'cat z.txt' and the output is 'aman', 'sumant', 'aman', 'sumant', 'rahul'. Then the user enters 'sort -u z.txt' and the output is 'aman', 'rahul', 'sumant'.

```
Terminal Feb 27 18:51
aman@aman: ~/Downloads/Main_Directory
aman@aman:~/Downloads/Main_Directory$ cat z.txt
aman
sumant
aman
sumant
rahul
aman@aman:~/Downloads/Main_Directory$ sort -u z.txt
aman
rahul
sumant
aman@aman:~/Downloads/Main_Directory$
```

- What are the Three parts of file's permission?
=> read ,write ,execute