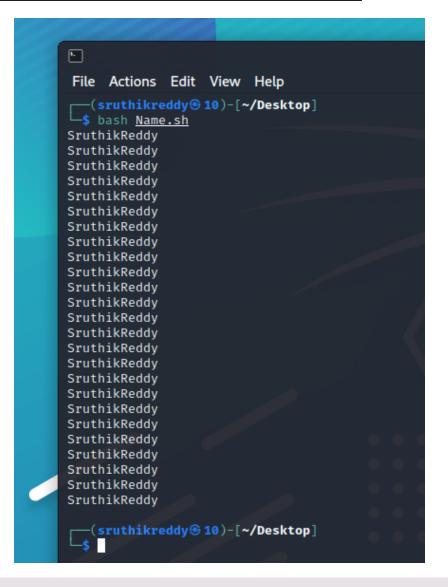


Write a bash script to echo your name 25 times

```
GNU nano 6.0
#!/usr/bin/bash
n=25
for((i=0;i<n;i++))
do
echo "SruthikReddy"
done
```



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

Command head -30 /var/log/syslog

```
sruthikreddy@10: ~/Desktop
 File Actions Edit View Help
 —(sruthikreddy⊕ 10)-[~/Desktop
head -30 /var/log/syslog
                                0.000000] Linux version 5.15.0-kali3-amd64 (devel@kali.org) (gcc-11 (Debian 11.2.0-14) 11.2.0, GNU ld (GNU Binutils for Debian) 2.37.90.20
Feb 25 16:37:41 10 kernel: [
220123) #1 SMP Debian 5.15.15-2kali1 (2022-01-31)
Feb 25 16:37:41 10 kernel: [
                                0.000000] Command line: BOOT_IMAGE=/boot/vmlinuz-5.15.0-kali3-amd64 root=UUID=37f62b6a-fe47-413d-b8fd-34e52ef80b31 ro quiet splash
Feb 25 16:37:41 10 kernel: [
                                0.000000] x86/fpu: Supporting XSAVE feature 0×001: 'x87 floating point registers'
Feb 25 16:37:41 10 kernel: [
                                0.000000] x86/fpu: Supporting XSAVE feature 0×002: 'SSE registers
                                0.000000] x86/fpu: Supporting XSAVE feature 0×004: 'AVX registers'
Feb 25 16:37:41 10 kernel: [
Feb 25 16:37:41 10 kernel: [
                                0.000000] x86/fpu: xstate_offset[2]: 576, xstate_sizes[2]: 256
Feb 25 16:37:41 10 kernel:
                                0.000000] x86/fpu: Enabled xstate features 0×7, context size is 832 bytes, using 'standard' format.
Feb 25 16:37:41 10 kernel: [
                                0.000000] signal: max sigframe size: 1776
Feb 25 16:37:41 10 kernel:
                                0.000000] BIOS-provided physical RAM map:
Feb 25 16:37:41 10 kernel: [
                                0.000000] BIOS-e820: [mem 0×000000000000000000000000000009fbff] usable
Feb 25 16:37:41 10 kernel: [
                                0.000000] BIOS-e820: [mem 0×00000000009fc00-0×00000000009ffff] reserved
Feb 25 16:37:41 10 kernel: [
                                0.000000] BIOS-e820: [mem 0x0000000000f0000-0x000000000fffff] reserved
Feb 25 16:37:41 10 kernel: [
                                0.000000] BIOS-e820: [mem 0×000000000100000-0×00000007ffeffff] usable
Feb 25 16:37:41 10 kernel: [
                                0.000000] BIOS-e820: [mem 0×000000007fff0000-0×000000007fffffff] ACPI data
Feb 25 16:37:41 10 kernel: [
                                0.000000] BIOS-e820: [mem 0x00000000fec00000-0x00000000fec00fff] reserved
Feb 25 16:37:41 10 kernel: [
                                0.000000] BIOS-e820: [mem 0x00000000fee00000-0x00000000fee00fff] reserved
Feb 25 16:37:41 10 kernel: [
                                0.000000] BIOS-e820: [mem 0×00000000fffc0000-0×0000000fffffffff] reserved
Feb 25 16:37:41 10 kernel: [
                                0.000000] NX (Execute Disable) protection: active
Feb 25 16:37:41 10 kernel: [
                                0.000000] SMBIOS 2.5 present.
                                0.000000] DMI: innotek GmbH VirtualBox/VirtualBox, BIOS VirtualBox 12/01/2006
Feb 25 16:37:41 10 kernel: [
Feb 25 16:37:41 10 kernel: [
                                0.000000] Hypervisor detected: KVM
Feb 25 16:37:41 10 kernel: [
                                0.000000] kvm-clock: Using msrs 4b564d01 and 4b564d00
Feb 25 16:37:41 10 kernel: [
                                0.000000] kvm-clock: cpu 0, msr 26801001, primary cpu clock
Feb 25 16:37:41 10 kernel:
                                0.000005] kvm-clock: using sched offset of 37820600268 cycles
                                0.000010] clocksource: kvm-clock: mask: 0xfffffffffffffff max_cycles: 0x1cd42e4dffb, max_idle_ns: 881590591483 ns
Feb 25 16:37:41 10 kernel: [
Feb 25 16:37:41 10 kernel: [
                                0.000016] tsc: Detected 2112.000 MHz processor
Feb 25 16:37:41 10 kernel: [
                                0.018163] e820: update [mem 0×00000000-0×00000fff] usable ⇒ reserved
                                0.018175] e820: remove [mem 0×000a0000-0×000fffff] usable
Feb 25 16:37:41 10 kernel: [
Feb 25 16:37:41 10 kernel: [
                                0.0183821 last pfn = 0×7fff0 max arch pfn = 0×400000000
Feb 25 16:37:41 10 kernel: [
                                0.018672] Disabled
 —(sruthikreddy⊕ 10)-[~/Desktop
```

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

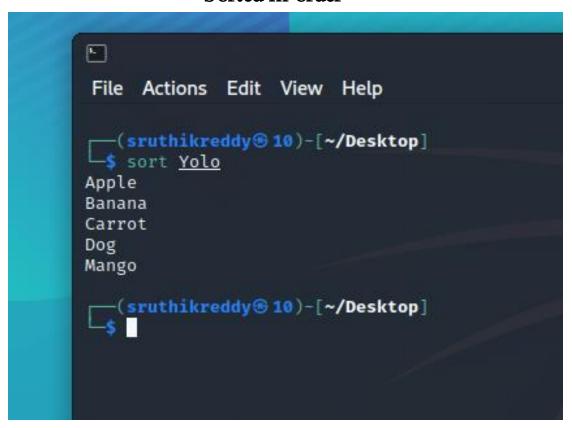
Command tail -30 /var/log/syslog

```
sruthikreddy@10: ~/Desktop
 File Actions Edit View Help
 [—(sruthikreddy® 10)-[~/Desktop]
stail -30 /var/log/syslog
Feb 26 14:28:24 10 systemd[629]: Closed GnuPG network certificate management daemon.
Feb 26 14:28:24 10 systemd[629]: Closed GnuPG cryptographic agent and passphrase cache (access for web browsers).
Feb 26 14:28:24 10 systemd[629]: Closed GnuPG cryptographic agent and passphrase cache (restricted).
Feb 26 14:28:24 10 systemd[629]: Closed GnuPG cryptographic agent (ssh-agent emulation).
Feb 26 14:28:24 10 systemd[629]: Closed GnuPG cryptographic agent and passphrase cache.
Feb 26 14:28:24 10 systemd[629]: Closed PipeWire Multimedia System Socket.
Feb 26 14:28:24 10 systemd[629]: Closed Sound System.
Feb 26 14:28:24 10 systemd[629]: Removed slice User Application Slice.
Feb 26 14:28:24 10 systemd[629]: Reached target Shutdown.
Feb 26 14:28:24 10 systemd[629]: Finished Exit the Session.
Feb 26 14:28:24 10 systemd[629]: Reached target Exit the Session.
Feb 26 14:28:24 10 systemd[1]: user@130.service: Deactivated successfully.
Feb 26 14:28:24 10 systemd[1]: Stopped User Manager for UID 130.
Feb 26 14:28:24 10 systemd[1]: user@130.service: Consumed 1.107s CPU time.
Feb 26 14:28:24 10 systemd[1]: Stopping User Runtime Directory /run/user/130 ...
Feb 26 14:28:24 10 systemd[1]: run-user-130.mount: Deactivated successfully.
Feb 26 14:28:24 10 systemd[1]: user-runtime-dir@130.service: Deactivated successfully.
Feb 26 14:28:24 10 systemd[1]: Stopped User Runtime Directory /run/user/130.
Feb 26 14:28:24 10 systemd[1]: Removed slice User Slice of UID 130.
Feb 26 14:28:24 10 systemd[1]: user-130.slice: Consumed 2.283s CPU time.
Feb 26 14:28:51 10 systemd[1]: blueman-mechanism.service: Deactivated successfully.
Feb 26 14:35:01 10 CRON[2856]: (root) CMD (command -v debian-sa1 > /dev/null & debian-sa1 1 1)
Feb 26 14:39:01 10 CRON[3822]: (root) CMD ( [-x /usr/lib/php/sessionclean | 86 if [!-d /run/systemd/system]; then /usr/lib/php/sessionclean; fi)
Feb 26 14:39:40 10 systemd[1]: Starting Clean php session files...
Feb 26 14:39:40 10 systemd[1]: phpsessionclean.service: Deactivated successfully.
Feb 26 14:39:40 10 systemd[1]: Finished Clean php session files.
Feb 26 14:43:13 10 systemd[1]: Starting Cleanup of Temporary Directories...
Feb 26 14:43:13 10 systemd[1]: systemd-tmpfiles-clean.service: Deactivated successfully.
Feb 26 14:43:13 10 systemd[1]: Finished Cleanup of Temporary Directories.
Feb 26 14:45:01 10 CRON[5365]: (root) CMD (command -v debian-sa1 > /dev/null & debian-sa1 1 1)
 [—(sruthikreddy® 10)-[~/Desktop]
```

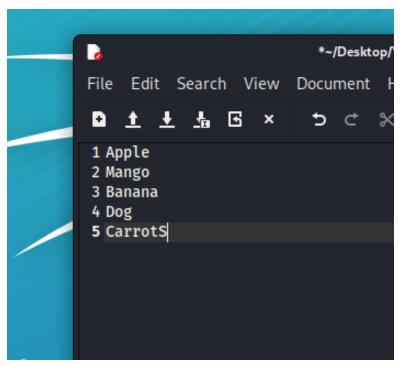
What command should I use to arrange the entries of a file

Alphabetically

Sorted in order



Original

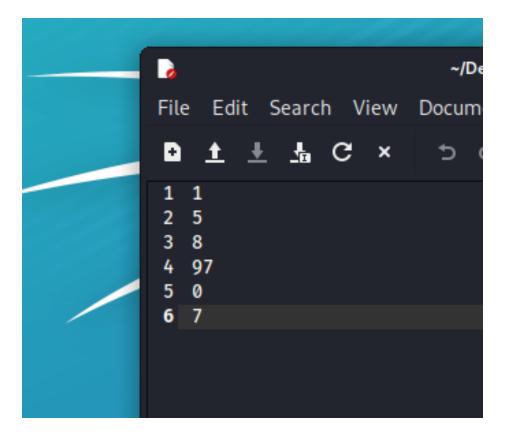


Numerical order

Sorted

```
File Actions Edit View Help
 --(sruthikreddy® 10)-[~/Desktop]
sort Yolo
97
[—(sruthikreddy® 10)-[~/Desktop]
```

Original

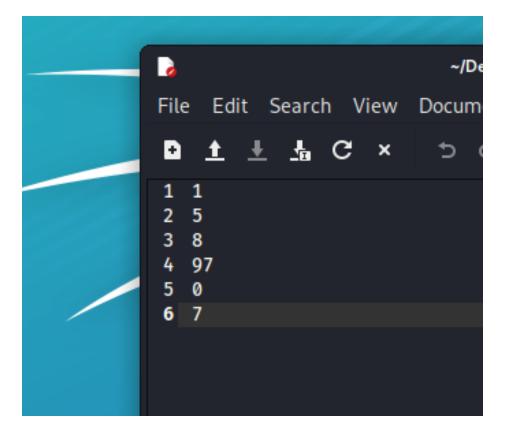


• Reverse order

Sorted

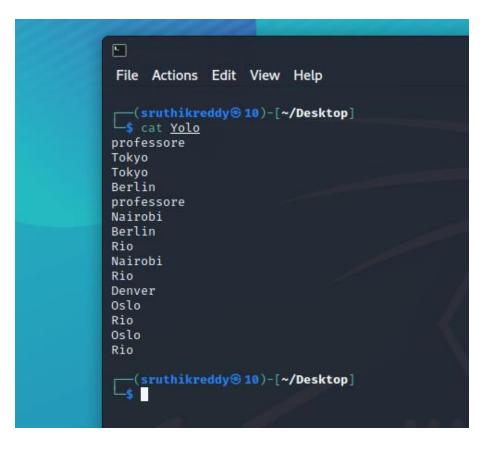
```
File Actions Edit View Help
  -(sruthikreddy⊛10)-[~/Desktop]
 sort -rn Yolo
97
 8
 0
  -(sruthikreddy® 10)-[~/Desktop]
```

Original

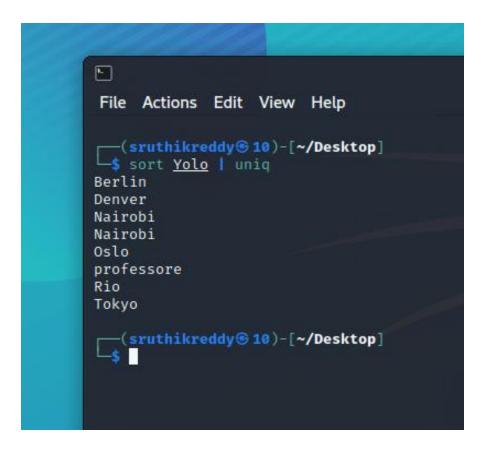


Copee is a hard-working cop. He found a case and almost at the verge of cracking
it. It could be his best breakthrough. He has the list of criminals but lots of
duplicates are there. He needs to find the only one that is different. He sought
your help. How will you sort this issue?

Original



Sorted



What are the four parts of file's permission?

- Read(r) Allowed to read the file
- Write(w) Allowed to change the contents of file
- Execute Allowed to use the file as a command
- Delete Allowed to move the file to trash