Linux Commands Practice Questions -2

File and Directory Operations

1. How do you copy a file named "report.pdf" from your home directory to a folder called "documents"?

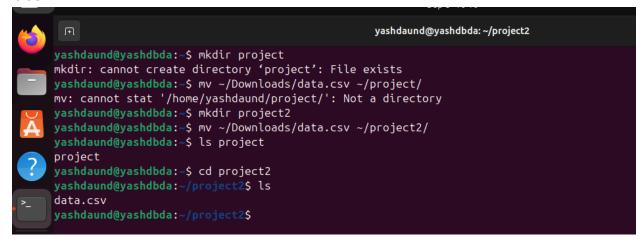
```
yashdaund@yashdbda:~$ touch report2.txt
yashdaund@yashdbda:~$ cp report2.txt /home/yashdaund/Documents
yashdaund@yashdbda:~$ ls Docuemnts
ls: cannot access 'Docuemnts': No such file or directory
yashdaund@yashdbda:~$ cd Documents
yashdaund@yashdbda:~/Documents
$\frac{1}{2}$
3.txt myfile.txt report2.txt
yashdaund@yashdbda:~/Documents$
```

2. What is the difference between rmdir and rm -rf commands?

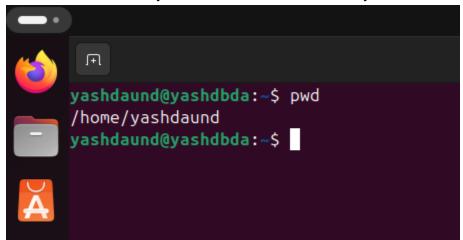
.∓l	yashdaund@yashdbda: ~									
yashdaund@yashdbda:~\$ ls										
1.sh	archive_name.zip	dbda_cdc.sh		ln_soft,txt	Pictu					
20.txt		dbda_rm1.sh			Publi					
2.sh		dbda_rm3.sh	file1.txt	myfile.txt	renam					
3.sh			file2.txt	newfile1.txt	герог					
4.bash			file3.sh	newfile2.txt	герог					
5.sh	copy_hardlink.txt		file4.sh	newfile5.txt	shell					
60.txt	daund.sh		file5.sh	newfile.txt						
archive1.tar.gz	dbda_abb.sh	dir23	file5.txt	newname1.txt	soft.					
archive2.tar	dbda_abcd.sh		file70.txt	newname.txt	sort_					
archive_name.tar	dbda_abc.sh	documents		num_sort_example.txt	temp1					
yashdaund@yashdbda:~\$ rm -rf newfile1.txt										
yashdaund@yashdbda:~\$ ls										
1.sh	archive_name.zip	dbda_cdc.sh		ln_soft,txt	Publi					
20.txt		dbda_rm1.sh			renam					
2.sh		dbda_rm3.sh	file1.txt	myfile.txt	герог					
3.sh			file2.txt	newfile2.txt	герог					
4.bash			file3.sh	newfile5.txt	shell					
5.sh	copy_hardlink.txt		file4.sh	newfile.txt	snap					
60.txt	daund.sh		file5.sh	newname1.txt	soft.					
archive1.tar.gz		dir23	file5.txt	newname.txt	sort_					
archive2.tar	dbda_abcd.sh		file70.txt	num_sort_example.txt	temp1					
archive_name.tar	dbda_abc.sh	documents			Templ					
yashdaund@yashdbd	a:~\$									

```
vashdaund@yashdbda: ~
yashdaund@yashdbda:~$ ls
                                      dbda_cdc.sh
                                                                ln_soft,txt
                                                                              num_sort_exam
20.txt
                                      dbda_rm1.sh
2.sh
                                      dbda_rm3.sh
                                                   file1.txt
                                                   file2.txt
                                                                myfile.txt
3.sh
4.bash
                                                   file3.sh
                                                                newfile1.txt
                                                                              report1.txt
5.sh
                  copy hardlink.txt
                                                   file4.sh
                                                                newfile2.txt
                                                                              report2.txt
60.txt
                                                   file5.sh
                                                                newfile5.txt
                  daund.sh
                  dbda_abb.sh
                                      dir23
                                                                newfile.txt
                  dbda_abcd.sh
                                                   file70.txt
                                                                newname1.txt
                                                                              soft.txt
                  dbda abc.sh
                                      documents
                                                                newname.txt
                                                                              sort example.
yashdaund@yashdbda:~$ rmdir cadc-air1
rmdir: failed to remove 'cadc-air1': No such file or directory
yashdaund@yashdbda:~$ rmdir cadc_dir1
rmdir: failed to remove 'cadc_dir1': No such file or directory
yashdaund@yashdbda:~$ rmdir mydir1
yashdaund@yashdbda:~$ ls
1.sh
                                      dbda_cdc.sh
                                                                ln_soft,txt
20.txt
                                      dbda_rm1.sh
2.sh
                                      dbda_rm3.sh
                                                   file1.txt
                                                                myfile.txt
3.sh
                                                   file2.txt
                                                                newfile1.txt
                                                                                       герог
4.bash
                                                   file3.sh
                                                                newfile2.txt
                                                                                       герог
                  copy_hardlink.txt
                                                   file4.sh
                                                                newfile5.txt
5.sh
                  daund.sh
                                                   file5.sh
                                                                newfile.txt
60.txt
                  dbda abb.sh
                                      dir23
                                                                newname1.txt
                                                                                       soft.
                                                   file70.txt
                  dbda_abcd.sh
                                                                newname.txt
                                                                                       sort_
                  dbda_abc.sh
                                      documents
                                                                num_sort_example.txt
                                                                                      temp1
yashdaund@yashdbda:~$
```

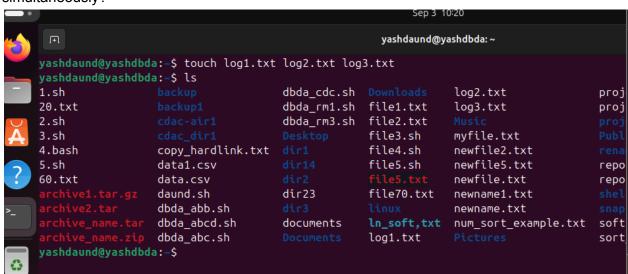
3. How do you move a file named "data.csv" from the "downloads" folder to the "projects" folder?



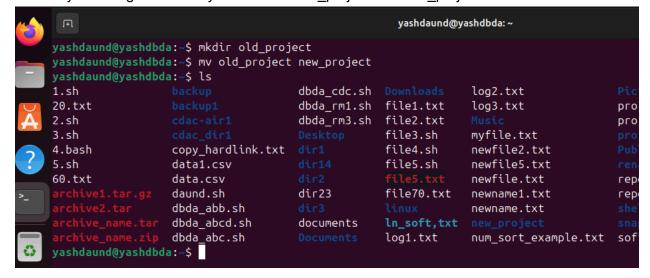
4. What command shows your current location in the file system?



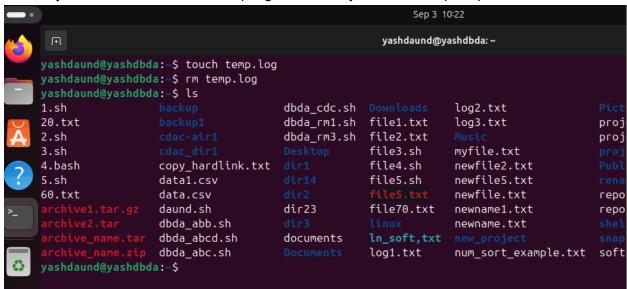
5. How do you create three empty files named "log1.txt", "log2.txt", and "log3.txt" simultaneously?



6. How do you change a directory name from "old_project" to "new_project"?



7. How do you delete a file named "temp.log" without any confirmation prompt?



8. Display your current directory path using a command.

```
yashdaund@yashdbda:~$ pwd
/home/yashdaund
yashdaund@yashdbda:~$
```

9. Show directory contents with file sizes in human-readable format (KB, MB, GB).

```
yashdaund@yashdbda: ~
yashdaund@yashdbda:~$ ls -lh
total 1.1G
- FW- FW- F--
            1 yashdaund yashdaund
                                     46 Sep
                                             1 11:53 1.sh
                                    0 Sep
- FW - FW - F - -
            1 vashdaund vashdaund
                                             2 09:42 20.txt
            1 yashdaund yashdaund
                                    95 Sep
                                             1 12:00 2.sh
            1 yashdaund yashdaund 149 Sep
                                             1 12:16 3.sh
            1 yashdaund yashdaund
                                    90 Sep
                                             1 12:24 4.bash
                                     55 Sep
- FW- FW- F--
            1 yashdaund yashdaund
                                             1 08:59 5.sh
            1 yashdaund yashdaund 3.2K Sep
                                            2 10:09 60.txt
- FW- FW- F--
-rw-rw-r-- 1 yashdaund yashdaund 184M Sep
                                            2 10:18
           1 yashdaund yashdaund 646M Sep
                                             2 10:21
            1 yashdaund yashdaund 10K Sep
                                             1 11:13
            1 yashdaund yashdaund 3.0K Sep
                                             1 11:19
            2 yashdaund yashdaund 4.0K Sep
drwxrwxr-x
                                             1 11:00 backup
            2 yashdaund yashdaund 4.0K Aug
                                            29 17:36 backup1
drwxrwxr-x
drwxrwxr-x 4 yashdaund yashdaund 4.0K Aug 29 19:02 cdac-air1
drwxrwxr-x 4 yashdaund yashdaund 4.0K Sep 1 10:09 cdac_dir1
```

10. Explain the meaning of the first character in file permissions (d, -, I) when using 1s -1.

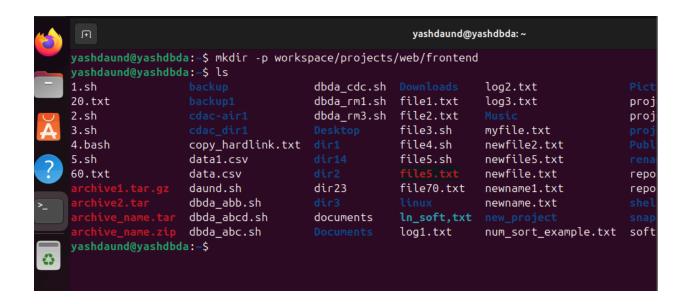
11. List all files including those starting with a dot (.) in the "/etc" directory.

```
yashdaund@yashdbda: ~
yashdaund@yashdbda:~$ ls -a
                  .bash_history
                                      dbda_rm1.sh
                                                   file5.sh
                                                                 newfile.txt
                  .bash_logout
                                      dbda_rm3.sh
                                                                 newname1.txt
                                                                                        sof
                                                   file70.txt
1.sh
                  .bashrc
                                                                 newname.txt
                                                                                        sor
20.txt
2.sh
                                                   .lesshst
                                                                 num_sort_example.txt
                                                                                        .su
3.sh
                                                                                        ter
                                                   ln_soft,txt
                                                                 .profile
4.bash
                                      dir23
5.sh
                  copy_hardlink.txt dir3
                                                                 project
                                                   log1.txt
60.txt
                  data1.csv
                                      documents
                                                                 project1
                                                                                        WOR
                                                   log2.txt
                  data.csv
                  daund.sh
                                                   log3.txt
                                                                                        yas
                  dbda_abb.sh
                                      file1.txt
                                      file2.txt
                  dbda abcd.sh
                                                   myfile.txt
                                                                 report1.txt
                                                                                        yas
                                                   newfile2.txt report2.txt
                  dbda_abc.sh
                                      file3.sh
                  dbda_cdc.sh
                                      file4.sh
                                                   newfile5.txt shell
yashdaund@yashdbda:~$
```

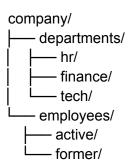
12. Show only files that start with a dot in your home directory.

backup1	dbda_cdc.sh	file4.sh	newfile5.txt	shell	
yashdaund@yashdbd	a:~\$ dir -a				
	.bash_history	dbda_rm1.sh	file5.sh	newfile.txt	sna
	.bash_logout	dbda_rm3.sh	file5.txt	newname1.txt	sof
1.sh	.bashrc	Desktop	file70.txt	newname.txt	sor
20.txt	.cache	dir1	.gnupg	new_project	.ss
2.sh	cdac-air1	dir14	.lesshst	num_sort_example.txt	.su
3.sh	cdac_dir1	dir2	linux	Pictures	ter
1.bash	.config	dir23	<pre>ln_soft,txt</pre>	.profile	Ter
5.sh	copy_hardlink.txt	dir3	.local	project	Vid
0.txt	data1.csv	documents	log1.txt	project1	WOL
archive1.tar.gz	data.csv	Documents	log2.txt	project2	WOF
rchive2.tar	daund.sh	Downloads	log3.txt	Public	yas
rchive_name.tar	dbda_abb.sh	file1.txt	Music	rename1	yas
archive_name.zip	dbda_abcd.sh	file2.txt	myfile.txt	report1.txt	yas
oackup	dbda_abc.sh	file3.sh	newfile2.txt	report2.txt	
packup1	dbda_cdc.sh	file4.sh	newfile5.txt	shell	
yashdaund@yashdbd	a:~\$				

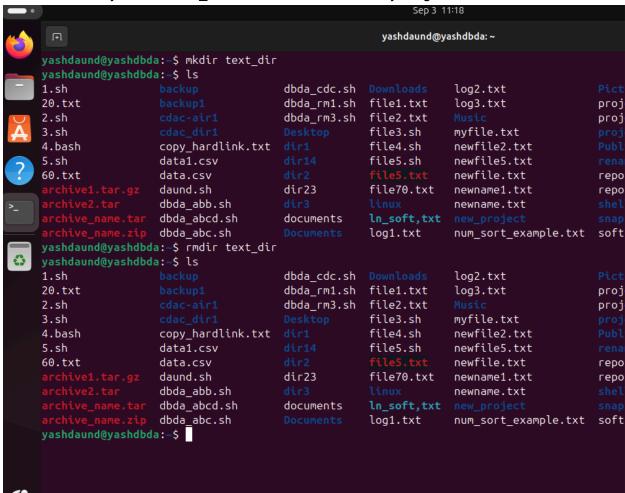
13. Create a directory structure "workspace/projects/web/frontend" in a single command.



Create the following nested structure in one command:



14. Create a directory named "test_dir", then remove it and verify it's gone.



File Content and Text Processing

- 16. Save the manual page of the find command to a file named "find manual.txt".
- 17. Display the first 15 lines and last 8 lines of "find_manual.txt". clear

exho "edited with the help of a rich-text editor.[3] There are dozens of different wiki e and part of other software, such as bug tracking systems. Some wiki engines are free and proprietary. Some permit control over different functions (levels of access); for example and adding or removing material. Others may permit access without enforcing access.

anging, adding, or removing material. Others may permit access without enforcing access of posed to organize content. In addition to hosting user-authored content, wikis allow those ssions, and collaborate.[4]

There are hundreds of thousands of wikis in use, both public and private, including wikis ement resources, note-taking tools, community websites, and intranets. Ward Cunningham, t software, WikiWikiWeb, originally described wiki as "the simplest online database that copronounced [wiki][note 1]) is a Hawaiian word meaning "quick".[6][7][8]

The online encyclopedia project Wikipedia is the most popular wiki-based website, as well st popular websites, having been ranked consistently as such since at least 2007.[9] Wiki rather a collection of hundreds of wikis, with each one pertaining to a specific language ce work of all time.[10] The English-language Wikipedia has the largest collection of art of September 2025.[11] "

18. Copy "find_manual.txt" to a folder named "manuals" and rename the copy to "find_help.txt".

19. Count the total lines, words, and characters in "find manual.txt".

```
yashdaund@yashdbda:~$ wc find_manual.txt
1379 11854 85271 find_manual.txt
yashdaund@yashdbda:~$
```

20. Show your last 15 executed commands.

```
yashdaund@yashdbda:~$ history 15
 713 head -n 15 find_manual.sh
 714 celar
 715 clear
 716 tail -n 8 find_manual.txt
 717 clear
 718 touch manuals
 719 cp find manual.txt manuals
 720 mv manuals finf_help.txt
 721 cat finf_help.txt
 722 clear
 723 wc finf_manual.txt
 724 wc find_manual.txt
 725 clear
 726 history tail 15
 727 history 15
yashdaund@yashdbda:~$
```

21. Create a tar.gz archive of your home directory's Documents folder.

```
yashdaund@yashdbda:~$ tar -cvf documents_backup.tar.gz ~/Documents
tar: Removing leading `/' from member names
/home/yashdaund/Documents/
/home/yashdaund/Documents/3.txt
/home/yashdaund/Documents/myfile.txt
/home/yashdaund/Documents/report2.txt
yashdaund@yashdbda:~$
```

22. Create a zip archive of your Desktop folder and list its contents without extracting.

23. Set permissions for "script.sh" to be readable, writable, and executable by owner only.

```
yashdaund@yashdbda:~$ touch script.sh
yashdaund@yashdbda:~$ chmod 777 script.sh
yashdaund@yashdbda:~$ ls script.sh
script.sh
yashdaund@yashdbda:~$ ls -l script.sh
-rwxrwxrwx 1 yashdaund yashdaund 0 Sep 3 17:14 script.sh
yashdaund@yashdbda:~$
```

24. Change the owner of "database.txt" to user "admin".

```
yashdaund@yashdbda:~$ touch database.txt
yashdaund@yashdbda:~$ sudo chown yashdaund database.txt
yashdaund@yashdbda:~$ ls -il database.txt
1713846 -rw-rw-r-- 1 yashdaund yashdaund 0 Sep 3 17:17 database.txt
yashdaund@yashdbda:~$
```

25. Display currently running processes in your terminal, all system processes, and sort processes by CPU usage.

```
yashdaund@yashdbda:~$ ps
PID TTY TIME CMD
2631 pts/0 00:00:00 bash
2822 pts/0 00:00:00 ps
yashdaund@yashdbda:~$
```

26. Show the current date/time and display the calendar for the current month.

```
yashdaund@yashdbda:~$ date
Wed Sep 3 05:19:17 PM UTC 2025
yashdaund@yashdbda:~$ cal
September 2025
Su Mo Tu We Th Fr Sa
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30

yashdaund@yashdbda:~$
```

27. Set the system date to January 15th, 2025, 2:30 PM.

```
yashdaund@yashdbda:~$ date -s "2025-01-15 14:30:00 "
date: cannot set date: Operation not permitted
Wed Jan 15 02:30:00 PM UTC 2025
yashdaund@yashdbda:~$
```

System Information Commands

28. Research and explain these commands: uptime, df, du, free.

```
yashdaund@yashdbda: ~
yashdaund@yashdbda:~$ free
               total
                             used
                                          free
                                                    shared
                                                            buff/cache
                                                                          available
             3911916
                          1025328
                                      2203112
                                                     34680
                                                                 946424
                                                                             2886588
                                0
Swap:
                   0
yashdaund@yashdbda:~$
```

```
yashdaund@yashdbda:~$ uptime
17:22:27 up 17 min, 1 user, load average: 0.04, 0.11, 0.09
yashdaund@yashdbda:~$ df
               1K-blocks
Filesystem
                            Used Available Use% Mounted on
tmpfs
                  391192
                            1472
                                     389720
                                              1% /run
/dev/sda2
                51287520 8400224 40249628
                                             18% /
tmpfs
                 1955956
                               0
                                    1955956
                                              0% /dev/shm
tmpfs
                               8
                                              1% /run/lock
                    5120
                                       5112
tmpfs
                  391188
                              112
                                     391076
                                              1% /run/user/1000
yashdaund@yashdbda:~$ du
        ./projects12
4
        ./project2
4
        ./cdac_dir1/a2/c1
        ./cdac dir1/a2/c2
```

29. Create a directory "linux_lab", navigate into it, create "permissions_test.txt", check its default permissions, modify umask to 022, create "new_permissions_test.txt", and compare their permissions.

```
yashdaund@yashdbda:-\$ mkdir liux_lab

yashdaund@yashdbda:-\$ mkdir liux_lab

yashdaund@yashdbda:-\$ cd linux_lab

bash: cd: linux_lab: No such file or directory
yashdaund@yashdbda:-\$ cd liux_lab

yashdaund@yashdbda:-\$ cod liux_lab

yashdaund@yashdbda:-\liux_lab\$ touch permisiion_test.txt
yashdaund@yashdbda:-\liux_lab\$ ls -il

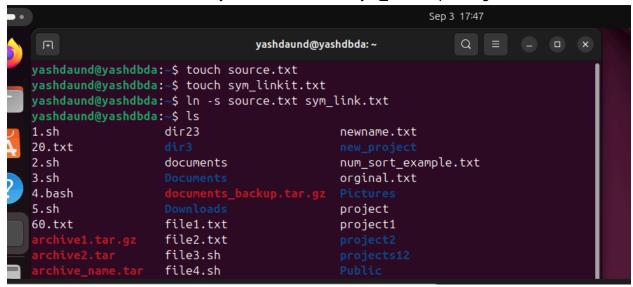
total 0

1713847 -rw-rw-r-- 1 yashdaund yashdaund 0 Sep 3 17:25 permisiion_test.txt
yashdaund@yashdbda:-\liux_lab\$ umask 022 permsion_test.txt
yashdaund@yashdbda:-\liux_lab\$ touch new permission_test.txt
yashdaund@yashdbda:-\liux_lab\$ ls
new permisiion_test.txt permission_test.txt
yashdaund@yashdbda:-\liux_lab\$ ls -i

1713849 new 1713847 permisiion_test.txt 1713850 permission_test.txt
```

Create "original.txt" and make a hard link named "hard copy.txt" pointing to it.

31. Create "source.txt" and make a symbolic link named "sym_link.txt" pointing to it.



32. Copy the entire "projects" directory from a remote server to your local "Downloads" folder using SCP.

```
yashdaund@yashdbda:~
yashdaund@yashdbda:~$ scp /home/yashdaund/file1.txt yashdaund@ip:/home/Desktop
```

33. Download files from a public FTP server like ftp.gnu.org using command line FTP client.

36. How do you remove a directory named "old_data" containing files and subdirectories?

```
yashdaund@yashdbda: ~
 Firefox
yashdaund@yashdbda:~$ ls
1.sh
                  copy_hardlink.txt
                                      dir23
                                                                 find_manual.txt
                                                                                  newname
20.txt
                  data1.csv
                                                                 finf help.txt
2.sh
                   database.txt
                                      documents
                                                                hard_copy.txt
                                                                                  num sor
3.sh
                  data.csv
                                                                                  orginal
                  daund.sh
4.bash
5.sh
                  dbda_abb.sh
                                                                ln_soft,txt
                                                                                  project
                  dbda abcd.sh
                                      file1.txt
                                                                log1.txt
                                                                                  project
60.txt
                   dbda abc.sh
                                      file2.txt
                                                                log2.txt
                   dbda_cdc.sh
                                      file3.sh
                                                                log3.txt
                   dbda_rm1.sh
                                      file4.sh
                  dbda rm3.sh
                                      file5.sh
                                                                myfile.txt
                                                                newfile2.txt
                                                                                  report1
                                      file70.txt
                                                                newfile5.txt
                                                                                  report2
                                                                newfile.txt
                                                                                  script.
                                      find manual.sh
                                                                newname1.txt
yashdaund@yashdbda:~$ rm -r dir3
yashdaund@yashdbda:~$ ls
                  copy_hardlink.txt dir23
                                                                 finf_help.txt new_proje
1.sh
20.txt
                  data1.csv
                                      documents
                                                                hard copy.txt
                                                                                num sort
2.sh
                   database.txt
                                                                                orginal.t
3.sh
                  data.csv
4.bash
                   daund.sh
                                                                ln_soft,txt
                                                                                project
5.sh
                   dbda abb.sh
                                      file1.txt
                                                                log1.txt
                                                                                project1
60.txt
                  dbda abcd.sh
                                      file2.txt
                                                                log2.txt
```

List all files in "/var/log" showing detailed information including hidden files.

```
yashdaund@yashdbda: ~
yashdaund@yashdbda:~$ ls -a /var/log
                                boot.log.7
                                                        dmesg.0
                                                                        gpu-manager.log
                    auth.log
                                bootstrap.log
alternatives.log
                    auth.log.1
                                btmp
                                btmp.1
alternatives.log.1
                    boot.log
apport.log
                    boot.log.1 cloud-init.log
                                                                        kern.log
apport.log.1
                    boot.log.2 cloud-init-output.log
                                                        dpkg.log
                                                                        kern.log.1
                    boot.log.3 cups
                                                        dpkg.log.1
                                                                        lastlog
                    boot.log.4 cups-browsed
                                                        faillog
                    boot.log.5 dist-upgrade
                                                        fontconfig.log
                    boot.log.6 dmesg
                                                                        README
yashdaund@yashdbda:~$
```

38. Create a file named "config.txt" in the path "/opt/myapp/config/" using command line.

```
yashdaund@yashdbda:~$ touch /home/yashdaund/opt/myapp/config/file.txt
```

39. Search for the word "error" in all ".log" files within the current directory and subdirectories.

```
yashdaund@yashdbda:~$ find /home/yashdaund -type f -name "*.log"
/home/yashdaund/snap/firefox/common/.mozilla/firefox/Crash Reports/crash_helper_server.l
/home/yashdaund/.local/share/gvfs-metadata/root-b0aacf2d.log
/home/yashdaund/.local/share/gvfs-metadata/home-d22834d4.log
yashdaund@yashdbda:~$
```

40. Create a directory "myproject" with permissions 755 (rwxr-xr-x).

```
yashdaund@yashdbda:~$ mkdir -m 755 myproject
yashdaund@yashdbda:~$
```

41. Create a compressed tar archive named "backup.tar.gz" containing all files and subdirectories in "/home/user/documents".

```
tar: Exiting with failure status due to previous errors
yashdaund@yashdbda:~$ tar -cvf backup.tar.gz /home/yashbdaund/user/documets
```

42. Give read and write permissions to owner and group, but only read permission to others for "shared.txt".

```
yashdaund@yashdbda:~$ touch shared.txt
yashdaund@yashdbda:~$ chmod ug+rw,o+r shared.txt
yashdaund@yashdbda:~$ ls -il shared.txt
1713859 -rw-rw-r-- 1 yashdaund yashdaund 0 Sep 3 18:05 shared.txt
yashdaund@yashdbda:~$
```

- 43. Find the size of "video.mp4" and display it in human-readable format (MB/GB).
- 44. Find all files in "/home" and subdirectories that were modified in the last 7 days.
- 45. Compare "version1.txt" and "version2.txt" and show only the differences.

```
yashdaund@yashdbda:~$ touch version.txt
yashdaund@yashdbda:~$ touch version1.txt
yashdaund@yashdbda:~$ diff version.txt version1.txt
yashdaund@yashdbda:~$
```

46. Synchronize "/home/user/photos" with "/backup/photos" preserving all file attributes.

47. Extract characters 10-25 from each line in "data.txt".

```
yashdaund@yashdbda:~$ nano word.sh
yashdaund@yashdbda:~$ cut -c 10-25 word.sh
li was born on 5
yashdaund@yashdbda:~$
```

- 48. Extract only the file "readme.txt" from "archive.tar.gz" without extracting the entire archive.
- 49. Count how many times the word "function" appears in "script.js".

Advance

```
yashdaund@yashdbda:~$ grep -o "the" for word.sh | wc -c
grep: for: No such file or directory
240
yashdaund@yashdbda:~$
```

d Questions

52. How do you monitor real-time changes to a log file named "application.log"?

yashdaund@yashdbda:~\$ tail -f /home/yashdaund/word.sh
echo "Kohli was born on 5 November 1988 in Delhi into a Punjabi Hindu family. His mother
hile his father Prem Nath Kohli worked as a criminal lawyer. He has an elder brother Vik
is formative years were spent in Uttam Nagar. His early education was at Vishal Bharti F
ly, Kohli exhibited an early affinity for cricket as a 3-year-old. He would pick up a ba
him.[5] In 1998, the West Delhi Cricket Academy was created. In May, his father arrange
a.[6] Upon the suggestion of their neighbours, Kohli's father considered enrolling his s
demy, as they believed his ability merited more than gully cricket.[7] He was unable to
team, due to extraneous factors. His father reportedly received offers to relocate his
would ensure his selection, but he declined the proposals. Kohli eventually found his wa
ived training at the academy and participated in matches at the Sumeet Dogra Academy loc
n pursuit of furthering his cricketing career, he transferred to Saviour Convent School
.[7] On 18 December 2006, his father died due to a cerebral attack.[10] As per his mothe
iceably after his father's death. He took on cricket with newfound seriousness. prioriti

53. How do you find all files larger than 100MB in your entire file system?

```
yashdaund@yashdbd
yashdaund@yashdbda:~$ find / -type f -size +100
```

54. How do you create a file with specific content using command line without opening an editor?

```
yashdaund@yashdbda:~$ echo "my name is khan">file1.txt
yashdaund@yashdbda:~$
```

55. How do you compress a directory using gzip and preserve the original?

```
ashdaund@yashdbda:~$ gzip dir1
zip: dir1 is a directory -- ignored
ashdaund@yashdbda:~$
```

56. How do you find all files owned by user "john" in the "/home" directory?

```
yashdaund@yashdbda:~

yashdaund@yashdbda:~$ sudo find / home -user yashdaund
```

- 57. How do you schedule a command to run every day at 9 AM using cron?
- 58. How do you check disk usage of the current directory and sort by size?

```
yashdaund@yashdbda:~$ du -h . | sort -rh
1.3G
244M
        ./snap
241M
        ./snap/firefox/common
        ./snap/firefox
241M
181M
        ./snap/firefox/common/.cache
        ./snap/firefox/common/.cache/mozilla/firefox/rmbiw4ao.default
180M
180M
        ./snap/firefox/common/.cache/mozilla/firefox
180M
        ./snap/firefox/common/.cache/mozilla
        ./snap/firefox/common/.cache/mozilla/firefox/rmbiw4ao.default/cache2
149M
148M
        ./snap/firefox/common/.cache/mozilla/firefox/rmbiw4ao.default/cache2/entries
60M
        ./snap/firefox/common/.mozilla/firefox
        ./snap/firefox/common/.mozilla
60M
         /spap/firefox/common/.mozilla/firefox/rmbiw4ao.default
59M
```

59. How do you find and kill a process by name?

```
/ashdaund@yashdbda:~$ ps

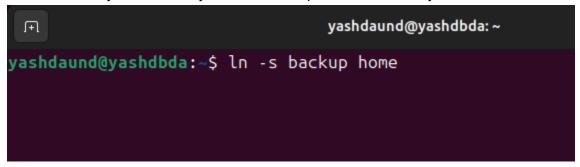
PID TTY TIME CMD

2686 pts/0 00:00:00 bash

3252 pts/0 00:00:00 ps

/ashdaund@yashdbda:~$ kill -9 2686
```

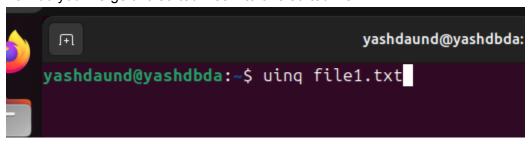
60. How do you create a symbolic link that points to a directory instead of a file?



61. How do you find all executable files in your PATH?

```
yashdaund@yashdbda:~ Q = - □
yashdaund@yashdbda:~$ sort -m log1.csv log2.csv >> merged_sorted_file
```

62. How do you merge two sorted files into one sorted file?



63. How do you display only unique lines from a file that contains duplicates?

64. How do you monitor system resource usage in real-time?

```
yashdaund@yashdbda:~$ find /home/ -type f -empty
```

- 65. How do you find files that are exactly 0 bytes (empty files)?
- 66. How do you change file timestamps without modifying content?
- 67. How do you create a file that can only be read by the owner and no one else?
- 68. How do you find broken symbolic links in a directory?
- 69. How do you copy files while preserving their original timestamps?

```
yashdaund@yashdbda:~$ cp -p file1.txt yash1.txt
```

70. How do you display the last 50 lines of a log file and continue monitoring new additions?