

# **Linux Commands**

## **Linux Directory Commands:**

1. pwd – Displays the current working directory.
2. mkdir – Creates a new directory.
3. rmdir – Deletes an empty directory.
4. ls – Lists files and directories in the current directory.
5. cd – Changes the current directory.

## **Linux File Commands:**

6. touch – Creates an empty file.
7. cat – Displays, creates, or copies file contents.
8. rm – Deletes a file or directory.
9. cp – Copies files or directories.
10. mv – Moves or renames files or directories.
11. rename – Renames multiple files at once.

## **Linux File Content Commands:**

- 12 head – Displays the first 10 lines of a file.
- 13 tail – Displays the last 10 lines of a file.
- 14 tac – Displays file content in reverse order.
- 15 more – Displays file content one page at a time.
- 16 less – Similar to more but allows scrolling up and down.

## **Linux User Commands**

17. su – Switches to another user account.
18. id – Displays the user ID (UID) and group ID (GID).
19. useradd – Adds a new user.
20. passwd – Changes a user's password.
21. groupadd – Creates a new user group.

## **Linux Filter Commands**

- 22. cat – Also used as a filter in pipes.
- 23. cut – Extracts specific columns from a file.
- 24. grep – Searches for a pattern in a file.
- 25. comm – Compares two sorted files line by line.
- 26. sed – Edits file content using regular expressions.
- 27. tee – Redirects output to both a file and standard output.
- 28. tr – Translates or deletes characters in a file.
- 29. uniq – Removes duplicate lines from a sorted file.
- 30. wc – Counts words, lines, and characters in a file.
- 31. od – Displays file content in different formats like octal and hexadecimal.
- 32. sort – Sorts lines in a file.
- 33. gzip – Compresses a file.
- 34. gunzip – Decompresses a .gz file.

## **Linux Utility Commands**

- 35. find – Searches for files in a directory.
- 36. locate – Quickly finds files using a database.
- 37. Date - Displays the current date, time, time zone, and other related Information.
- 38. Cal - Displays a calendar of the current month with today's date highlighted
- 39. Sleep - Pauses the terminal for a specified amount of time
- 40. Time - Measures the execution time of a command.
- 41. Zcat - Displays the content of compressed .gz files without extracting them.
- 42. Df - Displays disk space usage, including total, used, and available space.
- 43. Mount - Attaches an external storage device or file system to the system
- 44. Exit - Closes the terminal or exits the current shell session.

- 45. Clear - Clears all the output from the terminal screen.
- 46. Ssh - Establishes a secure remote connection to another computer using Ssh
- 47. Ip - Displays and configures network interfaces, IP addresses, and routing.
- 48. mail Command - Sends an email from the command line.
- 49. ping Command - Checks the network connectivity between the local Machine and remote host
- 50. host Command - Performs DNS lookups and resolves domain names to Ip addresses

```
245 pwd
246 mkdir my_folder
247 ls
248 rmdir my_folder
249 ls
250 cd Documents
251 cd cd /mnt/c/Users/HP/Documents
252 cd Desktop
253 Mkdir my_folder
254 mkdir my_folder
255 cd my_folder
256 touch file1.txt
257 touch file2.txt file3.txt
258 cat > file1.txt
259 cat file1.txt
260 rm file1.txt
261 ls
262 cp file2.txt file3.txt
263 ls
264 mkdir Dictionary
265 cp file2.txt Dictionary
266 ls
267 mv file2.txt Dictionary
268 rename 's/\.txt/\.pdf/' *.pdf
269 rename 's/\.txt$/.pdf/' *.pdf
270 head file2.txt
271 head file2.pdf
272 ls
273 head file3.txt
274 tail file3.txt
275 tac file3.txt
276 more file3.txt
277 less file3.txt
278 su java
279 su Nikhil
280 su nikhil
281 id
282 useradd yash
283 sudo useradd yash
284 passwd yash
285 sudo passwd yash
```

```
286 cat file3.txt| tac | cat | cat | tac
287 cat > file3.txt
288 cut -d- -f2 file3.txt
289 cat file3.txt | grep 50
290 ls
291 touch file2.txt
292 ls
293 comm file2.txt file3.txt
294 echo class7 | sed's/class/jtp/jtp7
295 sed 's/class/jtp/' file3.txt
296 cat file3.txt|tee new.txt|cat
297 cat new.txt
298 cat file3.txt|tr'prcu' 'PRCU'
299 cat file3.txt|tr 'prcu' 'PRCU'
300 sort file3.txt|uniq
301 wc file3.txt
302 od -b file3.txt
303 od -t x1 file3.txt
304 od -c file3.txt
```

```
286 cat file3.txt | tac | cat | cat | tac
287 cat > file3.txt
288 cut -d- -f2 file3.txt
289 cat file3.txt | grep 50
290 ls
291 touch file2.txt
292 ls
293 comm file2.txt file3.txt
294 echo class7 | sed 's/class/jtp/jtp7'
295 sed 's/class/jtp/' file3.txt
296 cat file3.txt | tee new.txt | cat
297 cat new.txt
298 cat file3.txt | tr 'prcu' 'PRCU'
299 cat file3.txt | tr 'prcu' 'PRCU'
300 sort file3.txt | uniq
301 wc file3.txt
302 od -b file3.txt
303 od -t x1 file3.txt
304 od -c file3.txt
305 sort file3.txt
306 gzip file2.txt file3.txt
307 gunzip file2.txt file3.txt
308 find . -name "*.pdf"
309 locate sysctl.conf
310 sudo apt install plocate
311 chmod 400 flask-new-key.pem
312 ssh -i flask-app-key.pem ubuntu@3.87.192.245
313 ssh -i flask-new-key.pem ubuntu@3.87.192.245
314 ssh -i flask-new-key.pem ubuntu@98.85.108.80
315 sudo su
316 date
317 cal
318 sleep 4
319 time
320 ls
321 zcat file3.txt
322 history
```

```
User: nikhil, Hostname: LAPTOP-GIJ7I6Q5
285 sudo passwd yash
286 cat file3.txt| tac | cat | cat | tac
287 cat > file3.txt
288 cut -d- -f2 file3.txt
289 cat file3.txt | grep 50
290 ls
291 touch file2.txt
292 ls
293 comm file2.txt file3.txt
294 echo class7 | sed's/class/jtp/jtp7
295 sed 's/class/jtp/' file3.txt
296 cat file3.txt|tee new.txt|cat
297 cat new.txt
298 cat file3.txt|tr'prcu' 'PRCU'
299 cat file3.txt|tr 'prcu' 'PRCU'
300 sort file3.txt|uniq
301 wc file3.txt
302 od -b file3.txt
303 od -t x1 file3.txt
304 od -c file3.txt
305 sort file3.txt
306 gzip file2.txt file3.txt
307 gunzip file2.txt file3.txt
308 find . -name "*.pdf"
309 locate sysctl.conf
310 sudo apt install plocate
311 chmod 400 flask-new-key.pem
312 ssh -i flask-app-key.pem ubuntu@3.87.192.245
313 ssh -i flask-new-key.pem ubuntu@3.87.192.245
314 ssh -i flask-new-key.pem ubuntu@98.85.108.80
315 sudo su
316 date
317 cal
318 sleep 4
319 time
320 ls
321 zcat file3.txt
322 history
323 echo "User: $(whoami), Hostname: $(hostname)" && history | tail -n 40
324 echo "User: $(whoami), Hostname: $(hostname)" && history | tail -n 40
```