

File Commands

ls	List files in the directory
ls -a	List files, include hidden files
pwd	Show current directory
mkdir [name]	Create a directory
rm [file]	Remove a file
rm -r [directory]	Recursively remove directory
rm -rf [directory]	Force remove directory
cp [file1] [file2]	Copy file1 to file2
cp -r [directory1] [directory2]	Copy directory1 to directory2
mv [filename1] [filename2]	Rename a file
touch [file]	Create a new file
more [file]	Show file contents
head [file]	Show first 10 lines of a file
tail [file]	Show last 10 lines of a file
shred -u [file]	Overwrite and delete a file
ls xargs wc	Words/lines/bytes in directory
diff [file1] [file2]	Compare two files

File Permission

chmod 777 [file]	File read, write, execute permissions to everyone
chmod 755 [file]	Full permission to owner, read permissions for others
chmod 766 [file]	Full permission to owner, read and write for others
chown [user] [file]	Change file ownership
chown [user]:[group] [file]	Change file owner and group

Process Management

ps	Display your currently active processes
mpmap	Show process memory usage
top	Display all running processes
kill [process_id]	Kill the process by ID
pkill [process_name]	Kill the process by name
killall [process_name]	Kill all processes by name
bg	List background processes
fg	Most recent suspended job to foreground

Keyboard Shortcuts

Ctrl + C	Kill current process
Ctrl + Z	Stop process (can be resumed)
Ctrl + W	Cut the word before the cursor
Ctrl + U	Cut part of the line before the cursor
Ctrl + K	Cut part of the line after the cursor
Ctrl + Y	Paste from clipboard
Ctrl + R	Recall last command
Ctrl + O	Run the recalled command
Ctrl + G	Exit command history
!!	Repeat the last command
exit	Log out of the session

Directory Navigation

cd ..	Move up one level
cd	Change directory to \$HOME
cd [/location]	Change to a specified directory



Users and Groups

id	Show active user details
last	Show last system logins
who	Show who is logged in
w	Show logged users and activity
groupadd [group]	Add a new group
adduser [user]	Add a new user
usermod -aG [group] [user]	Add user to group
userdel [user]	Delete a user
usermod	Modify user information
chgrp [group] [directory]	Change directory group

Shell Command Management

alias [alias]='[command]'	Create command alias
watch -n [interval] [command]	Set interval to run a command
sleep [interval] && [command]	Postpone command execution
at [hh:mm]	Schedule a job
man [command]	Display command manual
history	Print command history

System Management and Info

uname -r	Show system information
uname -a	Show kernel release info
uptime	Show uptime length/avg. load
hostname	Show system hostname
hostname -I	Show system IP address
last reboot	Show reboot history
date	Show current time and date
cal	Show current day and month
whoami	Show the current user
finger [username]	Show user information
shutdown [hh:mm]	Schedule a system shut down
df	Show disk usage
du	Show directory space usage
free	Show memory and swap usage
whereis app	Show possible locations of app
which app	Show which app will be run by default

