

1. **ls** - The most frequently used command in Linux to list directories
2. **pwd** - Print working directory command in Linux
3. **cd** - Linux command to navigate through directories
4. **mkdir** - Command used to create directories in Linux
5. **mv** - Move or rename files in Linux
6. **cp** - Similar usage as mv but for copying files in Linux
7. **rm** - Delete files or directories
8. **touch** - Create blank/empty files
9. **ln** - Create symbolic links (shortcuts) to other files
10. **cat** - Display file contents on the terminal
11. **clear** - Clear the terminal display
12. **echo** - Print any text that follows the command
13. **less** - Linux command to display paged outputs in the terminal
14. **man** - Access manual pages for all Linux commands
15. **uname** - Linux command to get basic information about the OS
16. **whoami** - Get the active username
17. **tar** - Command to extract and compress files in Linux

18. **grep** - Search for a string within an output
19. **head** - Return the specified number of lines from the top
20. **tail** - Return the specified number of lines from the bottom
21. **diff** - Find the difference between two files
22. **cmp** - Allows you to check if two files are identical
23. **comm** - Combines the functionality of diff and cmp
24. **sort** - Linux command to sort the content of a file while outputting
25. **export** - Export environment variables in Linux
26. **zip** - Zip files in Linux
27. **unzip** - Unzip files in Linux
28. **ssh** - Secure Shell command in Linux
29. **service** - Linux command to start and stop services
30. **ps** - Display active processes
31. **kill and killall** - Kill active processes by process ID or name
32. **df** - Display disk filesystem information
33. **mount** - Mount file systems in Linux

34. **chmod** - Command to change file permissions
35. **chown** - Command for granting ownership of files or folders
36. **ifconfig** - Display network interfaces and IP addresses
37. **traceroute** - Trace all the network hops to reach the destination
38. **wget** - Direct download files from the internet
39. **ufw** - Firewall command
40. **iptables** - Base firewall for all other firewall utilities to interface with
41. **apt, pacman, yum, rpm** - Package managers depending on the distro
42. **sudo** - Command to escalate privileges in Linux
43. **cal** - View a command-line calendar
44. **alias** - Create custom shortcuts for your regularly used commands
45. **dd** - Majorly used for creating bootable USB sticks
46. **whereis** - Locate the binary, source, and manual pages for a command
47. **whatis** - Find what a command is used for
48. **top** - View active processes live with their system usage
49. **useradd and usermod** - Add new user or change existing users data
50. **passwd** - Create or update passwords for existing users

```
antra@Antra: ~/LINUX_COMMANDS
antra@Antra:~/LINUX_COMMANDS$ ls
file.txt file2.txt
antra@Antra:~/LINUX_COMMANDS$ pwd
/home/antra/LINUX_COMMANDS
antra@Antra:~/LINUX_COMMANDS$ cd file2.txt
-bash: cd: file2.txt: Not a directory
antra@Antra:~/LINUX_COMMANDS$ cd file
-bash: cd: file: No such file or directory
antra@Antra:~/LINUX_COMMANDS$ mkdir
mkdir: missing operand
Try 'mkdir --help' for more information.
antra@Antra:~/LINUX_COMMANDS$ mkdir --help
Usage: mkdir [OPTION]... DIRECTORY...
Create the DIRECTORY(ies), if they do not already exist.

Mandatory arguments to long options are mandatory for short options too.
-m, --mode=MODE  set file mode (as in chmod), not a-rwx - umask
-p, --parents    no error if existing, make parent directories as needed
-v, --verbose    print a message for each created directory
-Z             set SELinux security context of each created directory
               to the default type
--context[=CTX] like -Z, or if CTX is specified then set the SELinux
               or SMACK security context to CTX
--help          display this help and exit
--version       output version information and exit

GNU coreutils online help: <https://www.gnu.org/software/coreutils/>
Report mkdir translation bugs to <https://translationproject.org/team/>
Full documentation at: <https://www.gnu.org/software/coreutils/mkdir/>
or available locally via: info '(coreutils) mkdir invocation'
antra@Antra:~/LINUX_COMMANDS$ mv
mv: missing file operand
Try 'mv --help' for more information.
antra@Antra:~/LINUX_COMMANDS$ cp
cp: missing file operand
Try 'cp --help' for more information.
antra@Antra:~/LINUX_COMMANDS$ rm
rm: missing operand
Try 'rm --help' for more information.
antra@Antra:~/LINUX_COMMANDS$ touch
touch: missing file operand
Try 'touch --help' for more information.
antra@Antra:~/LINUX_COMMANDS$ touch file3.txt
antra@Antra:~/LINUX_COMMANDS$ in file
-bash: syntax error near unexpected token `in'
antra@Antra:~/LINUX_COMMANDS$ cat file3
cat: file3: No such file or directory
antra@Antra:~/LINUX_COMMANDS$ cat file2
cat: file2: No such file or directory
```

```
anitra@Aritra: ~/LINUX_COMMANDS

SUMMARY OF LESS COMMANDS

Commands marked with * may be preceded by a number, N.
Notes in parentheses indicate the behavior if N is given.
A key preceded by a caret indicates the Ctrl key; thus ^K is ctrl-K.

h ^H      Display this help.
q :q Q :Q ZZ  Exit.
-----

MOVING

e ^E j ^N CR * Forward one line (or N lines).
y ^Y k ^K ^P * Backward one line (or N lines).
f ^F ^V SPACE * Forward one window (or N lines).
b ^B ESC-v * Backward one window (or N lines).
z * Forward one window (and set window to N).
w * Backward one window (and set window to N).
ESC:SPACE * Forward one window, but don't stop at end-of-file.
d ^D * Forward one half-window (and set half-window to N).
u ^U * Backward one half-window (and set half-window to N).
ESC-) ^RightArrow * Right one half screen width (or N positions).
ESC-( ^LeftArrow * Left one half screen width (or N positions).
ESC-) ^RightArrow * Right to last column displayed.
ESC-( ^LeftArrow * Left to first column.
F * Forward forever; like "tail -f".
ESC-F * Like F but stop when search pattern is found.
r ^R ^L * Repaint screen.
R * Repaint screen, discarding buffered input.
-----
Default "window" is the screen height.
Default "half-window" is half of the screen height.
-----

SEARCHING

/pattern * Search forward for (N-th) matching line.
?pattern * Search backward for (N-th) matching line.
n * Repeat previous search (for N-th occurrence).
N * Repeat previous search in reverse direction.
ESC-n * Repeat previous search, spanning files.
ESC-N * Repeat previous search, reverse dir. & spanning files.
ESC-u * Undo (toggle) search highlighting.
#pattern * Display only matching lines.
-----
A search pattern may begin with one or more of:
^N or ! Search for NON-matching lines.
HELP --- Press RETURN for more, or q when done.
```

```
anitra@Aritra: ~
anitra@Aritra:~$ man
What manual page do you want?
For example, try 'man man'.
anitra@Aritra:~$ man man
anitra@Aritra:~$ uname -a
Linux Aritra 5.10.102.1-microsoft-standard-WSL2 #1 SMP Wed Mar 2 00:30:59 UTC 2022 x86_64 x86_64 x86_64 GNU/Linux
anitra@Aritra:~$ whoami
anitra
anitra@Aritra:~$ tar -cvf Compress.tar file file-link
tar: file: Cannot stat: No such file or directory
tar: file-link: Cannot stat: No such file or directory
tar: Exiting with failure status due to previous errors
anitra@Aritra:~$ grep
Usage: grep [OPTION]... PATTERNS [FILE]...
Try 'grep --help' for more information.
anitra@Aritra:~$ head
hello everyone.
hello everyone.
^Z
[1]+  Stopped                  head
anitra@Aritra:~$ tail
hello students
hey guys
hello students
hey guys
anitra@Aritra:~$ diff
diff: missing operand after 'diff'
diff: Try 'diff --help' for more information.
anitra@Aritra:~$ diff file file2
diff: file: No such file or directory
diff: file2: No such file or directory
anitra@Aritra:~$ comm
comm: missing operand
Try 'comm --help' for more information.
anitra@Aritra:~$ comm file.txt file2.txt
comm: file.txt: No such file or directory
anitra@Aritra:~$ cmp
cmp: missing operand after 'cmp'
cmp: Try 'cmp --help' for more information.
anitra@Aritra:~$ cmp file.txt
cmp: file.txt: No such file or directory
anitra@Aritra:~$ sort
hi guys
come here
hi guys
anitra@Aritra:~$ export
declare -x DISPLAY="0"
declare -x HOME="/home/aritra"
```

```

aritra@Aritra: ~
declare -x HOSTTYPE="x86_64"
declare -x LANG="C.UTF-8"
declare -x LESSCLOSE="/usr/bin/lesspipe %s %s"
declare -x LESSOPEN="| /usr/bin/lesspipe %s"
declare -x LOGNAME="aritra"
declare -x LS_COLORS="rs=0:di=01;34;ln=01;36;mh=00;pi=40;33;so=01;35;do=01;35;bd=40;33;01;cd=40;33;01;or=40;31;01;mi=00;su=37;41;sg=30;43;ca=30;41;tw=30;42;ow=34;42;st=37;44;ex=01;32;*.tar=01;31;*.tgz=01;31;*.ar=01;31;*.arj=01;31;*.taz=01;31;*.lha=01;31;*.lzh=01;31;*.lzh=01;31;*.lza=01;31;*.txz=01;31;*.tzo=01;31;*.t7z=01;31;*.zip=01;31;*.z=01;31;*.dz=01;31;*.gz=01;31;*.lrz=01;31;*.lrz=01;31;*.lzo=01;31;*.x=01;31;*.xz=01;31;*.tzt=01;31;*.bz2=01;31;*.bz=01;31;*.tbz2=01;31;*.deb=01;31;*.rpm=01;31;*.jar=01;31;*.war=01;31;*.car=01;31;*.rar=01;31;*.alz=01;31;*.ace=01;31;*.zoo=01;31;*.cpio=01;31;*.7z=01;31;*.rzz=01;31;*.cab=01;31;*.wim=01;31;*.swm=01;31;*.esd=01;31;*.jpe=01;35;*.jpeg=01;35;*.mjpe=01;35;*.mjpeg=01;35;*.gif=01;35;*.bmp=01;35;*.pbm=01;35;*.pgm=01;35;*.ppm=01;35;*.tga=01;35;*.xbm=01;35;*.xpm=01;35;*.tif=01;35;*.tiff=01;35;*.png=01;35;*.svg=01;35;*.svgz=01;35;*.mng=01;35;*.pcx=01;35;*.mov=01;35;*.mpg=01;35;*.mpeg=01;35;*.m2v=01;35;*.mkv=01;35;*.webm=01;35;*.webp=01;35;*.ogm=01;35;*.mp4=01;35;*.m4v=01;35;*.mpd=01;35;*.vob=01;35;*.qt=01;35;*.nuv=01;35;*.wmv=01;35;*.asf=01;35;*.rm=01;35;*.rmvb=01;35;*.flc=01;35;*.avi=01;35;*.fli=01;35;*.flv=01;35;*.gl=01;35;*.d1=01;35;*.xcf=01;35;*.xwd=01;35;*.yuv=01;35;*.cgm=01;35;*.cmf=01;35;*.ogv=01;35;*.ogx=01;35;*.aac=00;36;*.au=00;36;*.flac=00;36;*.m4a=00;36;*.mid=00;36;*.midi=00;36;*.mka=00;36;*.mp3=00;36;*.mpc=00;36;*.ogg=00;36;*.ra=00;36;*.wav=00;36;*.oga=00;36;*.opus=00;36;*.spx=00;36;*.xspf=00;36;"
declare -x NAME="Aritra"
declare -x OLDPWD
declare -x PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/usr/lib/ssl/lib:/mnt/c/oracle/app/oracle/product/11.2.0/server/bin:/mnt/c/Program Files/Common Files/Oacle/Java/javapath:/mnt/c/WINDOWS/system32:/mnt/c/Windows:/mnt/c/Windows/System32/Wbem:/mnt/c/Windows/System32/WindowsPowerShell/v1.0:/mnt/c/Windows/System32/OpenSSH:/mnt/c/Program Files/dotnet:/mnt/c/MinGW/bin:/mnt/c/MinGW/mingw32/bin:/mnt/c/Program Files/PowerShell/7:/mnt/c/Program Files/Cloudflare/Cloudflare WARP:/mnt/c/Users/KIIT/AppData/Local/Microsoft/WindowsApps:/mnt/c/Users/KIIT/AppData/Local/Programs/Microsoft VS Code/bin:/snap/bin"
declare -x PULSE_SERVER="/mnt/ssl/PulseServer"
declare -x PWD="/home/aritra"
declare -x SHELL="/bin/bash"
declare -x SHLVL="1"
declare -x TERM="xterm-256color"
declare -x USER="aritra"
declare -x WAYLAND_DISPLAY="wayland-0"
declare -x WSLENV=""
declare -x WSL_DISTRO_NAME="Ubuntu"
declare -x WSL_INTEROP="/run/WSL/9_interop"
declare -x XDG_DATA_DIRS="/usr/local/share:/usr/share:/var/lib/snapd/desktop"
declare -x XDG_RUNTIME_DIR="/mnt/ssl/runtime-dir"
aritra@Aritra:~$ zip
Command 'zip' not found, but can be installed with:
sudo apt install zip
aritra@Aritra:~$ unzip file.txt
Command 'unzip' not found, but can be installed with:
sudo apt install unzip
aritra@Aritra:~$ sudo apt install unzip
[sudo] password for aritra:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
zip
The following NEW packages will be installed:
unzip
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 174 kB of archives.
After this operation, 305 kB of additional disk space will be used.

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aritra@Aritra: ~
Get:1 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 unzip amd64 6.0-26ubuntu3.1 [174 kB]
Fetched 174 kB in 11s (15.2 kB/s)
Selecting previously unselected package unzip.
(Reading database ... 2412 files and directories currently installed.)
Preparing to unpack .../unzip_6.0-26ubuntu3.1_amd64.deb ...
Unpacking unzip (6.0-26ubuntu3.1) ...
Setting up unzip (6.0-26ubuntu3.1) ...
Processing triggers for man-db (2.10.2-1) ...
aritra@Aritra:~$ sudo apt install zip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
zip
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 176 kB of archives.
After this operation, 544 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 zip amd64 3.0-12build2 [176 kB]
Fetched 176 kB in 11s (15.4 kB/s)
Selecting previously unselected package zip.
(Reading database ... 24130 files and directories currently installed.)
Preparing to unpack .../zip_3.0-12build2_amd64.deb ...
Unpacking zip (3.0-12build2) ...
Setting up zip (3.0-12build2) ...
Processing triggers for man-db (2.10.2-1) ...
aritra@Aritra:~$ zip
Copyright (c) 1990-2008 Info-ZIP - Type 'zip -L' for software license.
Zip 3.0 (July 5th 2008). Usage:
zip [-options] [-b path] [-t mmdyyyyy] [-n suffixes] [zipfile list] [-xi list]
The default action is to add or replace zipfile entries from list, which
can include the special name - to compress standard input.
If zipfile and list are omitted, zip compresses stdin to stdout.
-f freshen: only changed files -u update: only changed or new files
-d delete entries in zipfile -m move into zipfile (delete OS files)
-r recurse into directories -j junk (don't record) directory names
-o store only -l convert LF to CR LF (-ll CR LF to LF)
-c compress faster -v compress better
-q quiet operation -v verbose operation/print version info
-g add one-line comments -z add zipfile comment
-G read names from stdin -o make zipfile as old as latest entry
-x exclude the following names -i include only the following names
-f fix zipfile (-FF try harder) -D do not add directory entries
-A adjust self-extracting exe -J junk zipfile prefix (unzipsfx)
-T test zipfile integrity -X eXclude eXtra file attributes
-y store symbolic links as the link instead of the referenced file
-e encrypt -n don't compress these suffixes
-h2 show more help
aritra@Aritra:~$ unzip

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antra@Antra: ~
UnZip 6.00 of 20 April 2009, by Debian. Original by Info-ZIP.

Usage: unzip [-Z] [-opts[modifiers]] file[.zip] [list] [-x xlist] [-d exdir]
Default action is to extract files in list, except those in xlist, to exdir;
file[.zip] may be a wildcard. -Z => ZipInfo mode ("unzip -Z" for usage).

-p extract files to pipe, no messages      -l list files (short format)
-f freshen existing files, create none     -t test compressed archive data
-u update files, create if necessary       -z display archive comment only
-v list verbosely/show version info       -T timestamp archive to latest
-x exclude files that follow (in xlist)    -d extract files into exdir

modifiers:
-n never overwrite existing files          -q quiet mode (-qq => quieter)
-o overwrite files WITHOUT prompting       -a auto-convert any text files
-j junk paths (do not make directories)    -aa treat ALL files as text
-U use escapes for all non-ASCII Unicode   -UU ignore any Unicode fields
-C match filenames case-insensitively     -L make (some) names lowercase
-X restore UID/GID info                   -V retain VMS version numbers
-K keep setuid/setgid/tacky permissions   -M pipe through "more" pager
-O CHARSET specify a character encoding for DOS, Windows and OS/2 archives
-I CHARSET specify a character encoding for UNIX and other archives

See "unzip -hh" or unzip.txt for more help. Examples:
unzip datal -x joe      => extract all files except joe from zipfile datal.zip
unzip -p foo | more     => send contents of foo.zip via pipe into program more
unzip -fo foo ReadMe    => quietly replace existing ReadMe if archive file newer

antra@Antra:~$ ssh
usage: ssh [-46AcCfGgKkMNnqsTtVvXxy] [-B bind_interface]
          [-b bind_address] [-c cipher_spec] [-D [bind_address]:port]
          [-E log_file] [-e escape_char] [-F configfile] [-I pkcs11]
          [-i identity_file] [-J [user@]host[:port]] [-L address]
          [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
          [-Q query_option] [-R address] [-S ctl_path] [-W host:port]
          [-w local_tun[:remote_tun]] destination [command [argument ...]]

antra@Antra:~$ service
usage: service <option> | --status-all | [ service_name [ command | --full-restart ] ]

antra@Antra:~$ ps
  PID TTY          TIME CMD
  10 pts/0    00:00:00 bash
  42 pts/0    00:00:00 head
 238 pts/0    00:00:00 ps
antra@Antra:~$ kill and killall
-bash: kill: and: arguments must be process or job IDs
-bash: kill: killall: arguments must be process or job IDs
antra@Antra:~$ df
Filesystem      1K-blocks      Used Available Use% Mounted on
/dev/sdd         263174212    115868 248620188   1% /
none              3900052       28   39000024   1% /mnt/wslg
none              3900052        4   39000048   1% /mnt/wsl

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antra@Antra: ~
tools          293999612 260216272 33783340 89% /init
none           39000052    4   39000048   1% /run
none           39000052    0   39000052   0% /run/lock
none           39000052    0   39000052   0% /run/shm
none           39000052    0   39000052   0% /run/user
tmpfs          39000052    0   39000052   0% /sys/fs/cgroup
none           39000052    76 3899976   1% /mnt/wslg/versions.txt
none           39000052    76 3899976   1% /mnt/wslg/doc
drivers        293999612 260216272 33783340 89% /usr/lib/wsl/drivers
lib            293999612 260216272 33783340 89% /usr/lib/wsl/lib
drvfs          293999612 260216272 33783340 89% /mnt/c
drvfs         204798972 153004376 51794596 75% /mnt/d

antra@Antra:~$ mount
/dev/sdd on / type ext4 (rw,relatime,discard,errors=remount-ro,data=ordered)
none on /mnt/wslg type tmpfs (rw,relatime)
none on /mnt/wsl type tmpfs (rw,relatime)
tools on /init type 9p (ro,relatime,dirsync,aname=tools,fmask=022,loose,access=client,msize=65536,trans=fd,rfd=7,wfd=7)
none on /dev type devtmpfs (rw,nosuid,relatime,size=3897632k,nr_inodes=974486,mode=755)
sysfs on /sys type sysfs (rw,nosuid,nodev,noexec,noatime)
proc on /proc type proc (rw,nosuid,nodev,noexec,noatime)
devpts on /dev/pts type devpts (rw,nosuid,noexec,noatime,gid=5,mode=620,ptmxmode=000)
none on /run type tmpfs (rw,nosuid,noexec,noatime,mode=755)
none on /run/lock type tmpfs (rw,nosuid,nodev,noexec,noatime)
none on /run/shm type tmpfs (rw,nosuid,nodev,noatime)
none on /run/user type tmpfs (rw,nosuid,nodev,noexec,noatime,mode=755)
binfmt_misc on /proc/sys/fs/binfmt_misc type binfmt_misc (rw,relatime)
tmpfs on /sys/fs/cgroup type tmpfs (rw,nosuid,nodev,noexec,relatime,mode=755)
cgroup2 on /sys/fs/cgroup/unified type cgroup2 (rw,nosuid,nodev,noexec,relatime,nsdelegate)
cgroup on /sys/fs/cgroup/cpuset type cgroup (rw,nosuid,nodev,noexec,relatime,cpuset)
cgroup on /sys/fs/cgroup/cpu type cgroup (rw,nosuid,nodev,noexec,relatime,cpu)
cgroup on /sys/fs/cgroup/cpusct type cgroup (rw,nosuid,nodev,noexec,relatime,cpusct)
cgroup on /sys/fs/cgroup/blkio type cgroup (rw,nosuid,nodev,noexec,relatime,blkio)
cgroup on /sys/fs/cgroup/memory type cgroup (rw,nosuid,nodev,noexec,relatime,memory)
cgroup on /sys/fs/cgroup/devices type cgroup (rw,nosuid,nodev,noexec,relatime,devices)
cgroup on /sys/fs/cgroup/freezer type cgroup (rw,nosuid,nodev,noexec,relatime,freezer)
cgroup on /sys/fs/cgroup/net_cls type cgroup (rw,nosuid,nodev,noexec,relatime,net_cls)
cgroup on /sys/fs/cgroup/perf_event type cgroup (rw,nosuid,nodev,noexec,relatime,perf_event)
cgroup on /sys/fs/cgroup/net_prio type cgroup (rw,nosuid,nodev,noexec,relatime,net_prio)
cgroup on /sys/fs/cgroup/hugetlb type cgroup (rw,nosuid,nodev,noexec,relatime,hugetlb)
cgroup on /sys/fs/cgroup/pids type cgroup (rw,nosuid,nodev,noexec,relatime,pids)
cgroup on /sys/fs/cgroup/rdma type cgroup (rw,nosuid,nodev,noexec,relatime,rdma)
none on /mnt/wslg/versions.txt type overlay (rw,relatime,lowerdir=/system/lower,upperdir=/system/ru/upper,workdir=/system/ru/work)
none on /mnt/wslg/doc type overlay (rw,relatime,lowerdir=/system/lower,upperdir=/system/ru/upper,workdir=/system/ru/work)
drivers on /usr/lib/wsl/drivers type 9p (ro,nosuid,nodev,noatime,dirsync,aname=drivers,fmask=222,dmask=222,mmap,access=client,msize=65536,trans=fd,rfd=4,wfd=4)
lib on /usr/lib/wsl/lib type 9p (ro,nosuid,nodev,noatime,dirsync,aname=lib,fmask=222,dmask=222,mmap,access=client,msize=65536,trans=fd,rfd=4,wfd=4)
drvfs on /mnt/c type 9p (rw,noatime,dirsync,aname=drvfs,path=D:\,uid=1000,gid=1000,symlinkroot=/mnt/,mmap,access=client,msize=262144,trans=virtio)
drvfs on /mnt/d type 9p (rw,noatime,dirsync,aname=drvfs,path=D:\,uid=1000,gid=1000,symlinkroot=/mnt/,mmap,access=client,msize=262144,trans=virtio)

antra@Antra:~$ chmod
chmod: missing operand

```



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anitra@Antra: ~
Try 'chown --help' for more information.
anitra@Antra:~$ chown
chown: missing operand
Try 'chown --help' for more information.
anitra@Antra:~$ ifconfig
Command 'ifconfig' not found, but can be installed with:
sudo apt install net-tools
anitra@Antra:~$ sudo apt install net-tools
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  net-tools
0 upgraded, 1 newly installed, 0 to remove and 0 not upgraded.
Need to get 204 kB of archives.
After this operation, 819 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu jammy/main amd64 net-tools amd64 1.60+git20181103.0eebece-1ubuntu5 [204 kB]
Fetched 204 kB in 11s (18.2 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 24144 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60+git20181103.0eebece-1ubuntu5_amd64.deb ...
Unpacking net-tools (1.60+git20181103.0eebece-1ubuntu5) ...
Setting up net-tools (1.60+git20181103.0eebece-1ubuntu5) ...
Processing triggers for man-db (2.10.2-1) ...
anitra@Antra:~$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.24.128.90 netmask 255.255.240.0 broadcast 172.24.143.255
    inet6 fe80::215:5dff:feb0:afc prefixlen 64 scopeid 0x20<link>
    ether 00:15:5d:b0:0a:fc txqueuelen 1000 (Ethernet)
    RX packets 182 bytes 567843 (567.8 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 100 bytes 12570 (12.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 0 bytes 0 (0.0 B)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 0 bytes 0 (0.0 B)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

anitra@Antra:~$ traceroute
Command 'traceroute' not found, but can be installed with:
sudo apt install inetutils-traceroute # version 2:2.2-2, or
sudo apt install traceroute # version 1:2.1.0-2
anitra@Antra:~$ sudo apt install inetutils-traceroute # version 2:2.2-2
Reading package lists... Done

```

```

anitra@Antra: ~
top - 19:29:53 up 53 min, 0 users, load average: 0.00, 0.00, 0.00
Tasks: 6 total, 1 running, 4 sleeping, 1 stopped, 0 zombie
Cpu(s):  0.0 us,  0.0 sy,  0.0 ni,100.0 id,  0.0 wa,  0.0 hi,  0.0 si,  0.0 st
Mem Mem:   7617.3 total,  7104.1 free,   328.1 used,   185.1 buff/cache
Mem Swap:  2048.0 total,   2048.0 free,    0.0 used,   7068.5 avail Mem

  PID USER      PR  NI   VIRT    RES    SHR   S %CPU  %MEM    TIME+  COMMAND
    1 root        20   0   1756    1080    1020  S   0.0   0.0   0:00.01 init
    8 root        20   0   2112     344      0  S   0.0   0.0   0:00.00 init
    9 root        20   0   2112     352      0  S   0.0   0.0   0:00.17 init
   10 anitra      20   0   6200   5080   3360  S   0.0   0.1   0:00.15 bash
   42 anitra      20   0   3216   1036    948  T   0.0   0.0   0:00.00 head
  385 anitra      20   0   7784   3656   3052  R   0.0   0.0   0:00.00 top

```