

Linux Commands

Sudo / Package Management

1. `sudo apt update`
2. `sudo apt upgrade`
3. `sudo apt install gcc`
4. `sudo apt install build-essential`
5. `sudo apt install ncal`
6. `sudo apt install g++`
7. `sudo apt autoremove`
8. `sudo apt install man`

Info / System Status

1. `echo $SHELL`
2. `printenv SHELL`
3. `whoami`
4. `whatis printenv`
5. `whatis whoami`
6. `whatis cat`
7. `whereis cat`
8. `info cat`
9. `whereis gcc`
10. `ps`
11. `top`
12. `htop`
13. `uname`
14. `uname -o`
15. `uname -i`
16. `uname -n`
17. `uname -v`
18. `uname -s`
19. `uname -m`
20. `uname -r`
21. `uname -a`
22. `uptime`
23. `hostname`
24. `id`
25. `echo $?`
26. `free -h`
27. `df -h`

Date / Time

1. `date`
2. `date "+%D"`
3. `date "+%D %T"`
4. `date "+%Y-%m-%d"`
5. `date "+%Y/%m/%d"`
6. `date "+%A %B %d %Y %T"`
7. `date --date "tomorrow"`
8. `date --date "2 years ago"`
9. `man date`
10. `echo `date``

Calculator / Math

1. `bc`
2. `bc <<< "12/5"`
3. `bc <<< "scale=2; 12/5"`
4. `bc <<< "2>5"`
5. `bc <<< "2^10"`
6. `expr 5 + 2`
7. `let x=5+2 && echo $x`
8. `echo $((5 + 3))`

Calendar

1. `cal`
2. `cal 2025`
3. `cal 11 2025`
4. `cal 3 2025`
5. `cal -3 2025`
6. `cal -3`

Printing / Formatting

1. `echo "Welcome to Linux"`
2. `echo -e "Hello \t World"`
3. `echo "Welcome to \"Linux\""`
4. `echo "This is
Linux
Training
for
Notchup
July 2025"`
5. `printf "Linux training\n"`

6. `printf "My shell is %s\n" $SHELL`

Reverse Command

1. `rev <<< "linux training"`

Sequence Commands

1. `seq 1 10`
2. `seq 1 2 10`
3. `seq 10 -1 1`
4. `seq 20 -2 0`
5. `seq -s " " 10`
6. `seq -s " " 1 10`
7. `seq -s 1 10`
8. `seq -s " " 5 2 10`

File Commands

1. `nano newfile`
2. `vi test.c`
3. `touch newfile.txt`
4. `file newfile.txt`
5. `stat newfile.txt`

Directory Commands

1. `mkdir new`
2. `cd new`
3. `mkdir new1 new2`
4. `mkdir -p d1/d2`
5. `mkdir training`
6. `cp newfile output.txt training`
7. `cd training`
8. `cp demo newfile stepin`
9. `cd stepin`
10. `cp -r training stepin`
11. `cd`
12. `cp -r training stepin`
13. `cd stepin`
14. `rmdir foldername`

Move / Rename

1. `mv output.txt out`
2. `mv out training`
3. `mv newfile Day2`

Remove / Delete

1. `rm Day2`
2. `rm n*`
3. `rm -r foldername`

List / View Files

1. `ls`
2. `ls -l`
3. `ls -a`
4. `ls -R`
5. `tree`

File Viewing / cat

1. `cat newfile.txt`
2. `cat newfile.txt > output.txt`
3. `cat output.txt`
4. `cat -n demo`
5. `cat cicd`
6. `cat cicd > new.txt`
7. `cat new.txt`
8. `cat newfile.txt >> new.txt`
9. `cat -n cicd`
10. `tac cicd`
11. `less newfile.txt`
12. `more newfile.txt`
13. `wc demo`

Navigation

1. `cd d1`
2. `cd`
3. `cd -`
4. `cd ..`
5. `pushd new`
6. `popd`
7. `pwd`

GCC / Compilation

1. gcc sum.c && ./a.out
2. gcc ifelse.c
5. gcc 1darray.c
6. ./a.out

History / Clear

1. history
2. history 10
3. !!
4. !10
5. clear