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35 Linux commands for your first week

Print it, keep it next to your keyboard, and type every command in a real terminal.

Moving around

`pwd` where you are now
`ls -la` everything, hidden files included
`cd /etc` go into a directory
`cd ..` up one level
`cd -` back to where you were
`clear` clear the screen

Files and directories

`mkdir -p a/b` create nested directories
`touch note.txt` create an empty file
`cp -r src dst` copy, directories too
`mv old new` move or rename
`rm -i file` delete, with confirmation
`rmdir empty` remove an empty directory

Reading files

`cat file` print the whole file
`less file` page through it (q quits)
`head -n 20 f` first 20 lines
`tail -n 50 f` last 50 lines
`tail -f log` follow a log live
`wc -l f` count lines

Searching

`grep "error" f` lines containing a word
`grep -rn "x" .` search every file, with line no.
`find . -name "*.conf"` find by name
`which python3` where a program lives
`history | grep ssh` your past commands
`man ls` the manual for a command

Permissions

`chmod +x s.sh` make it executable
`chmod 700 dir` only you have access
`chown user:group f` change the owner
`sudo cmd` run as administrator
`sudo !!` last command, with sudo

System and network

`df -h` free disk space
`free -h` memory in use
`top` what is using CPU now
`ip a` the machine's IP addresses
`ss -tulpn` ports that are listening
`ping -c 4 1.1.1.1` check connectivity

Practise them free, in a real terminal

Linux Foundations: 42 hours, 12 chapters, a hands-on lab in almost every chapter. No card, nothing to install.

`learn.nesqualtech.com/catalog/linux-foundations`