Command	Fuction	Informations
sudo dpkg -i *.deb	install .deb file or programm	
ps	shows running processes	
ps -aux	show all running processes	
source .zshrc	loads file and settings from	same vor zshalias idk name
	.bash_alias are load	
source .path	that inported library works	in directory with the Programm
cp **.	cp path-setup to execute then source	
du -h filename	gibt grösse von filname aus	
sudo find "directory" -name '*.apk'	looks for file with .apk ending	
sudo umount "full device name"	to unmount device	
mkfs.fat -F32 /dev/PARTITION	to format partition	
chmod +x "filename"	makes file executable	
upower -i 'upower -e — grep 'BAT''	to see batteryinformations	
mutool draw -R 90 -o 'new	to rotate clockwise 90 degre	
name'.pdf 'file'.pdf		
wc -l "file"	counts lines in file	
ls -s	shows size of files	
pandoc input.md -o output.pdf	compiles Markdown files to pdf	
apt-cache pkgnames "beginning of	to see all awailable packages, in "" is	
package name"	optionel and shows just the packages	
The solution of the solution o	starting with	
pushd directory	go in directory	
popd	when pushd made first us can go	
	back where u were befor	
awk	usefull for for outputs	
xargs	takes output and puts behind the	
	programm folwing	
bluetoothctl	to connect to bluetooth devices	
file "image"	shows some metadata like size and	
	format	
findtype f -name "* *" — while	finds files with space and replaces it	
read file; do mv "\$file" \$file// /_;	with	
done		
perm directory	shows permition from directory	
sudo update-alternatives -config	to update python3 verion	
python3		
zip -r newfile.zip folder/	zips folder in file	
jobs	shows process in backgrouns	
kill %"number"	kills process with this number	
sudo update-alternatives –displa	shows optional java versions and	
java	current version	
java -version	shows current java version	
javac -version	to see version of java compiler	
sudo update-alternatives —config	to change the java version	
java	-	
sudo update-alternatives —config	to change the version of the java	
javac	compiler	
sudo apt install openjdk-17-jre	-jdk for java compiler, installs ver-	
	sion 17 of java/javac	
file	shows info about a file	
lsusb	list usb devices	
•	•	•

mutool draw -R 90 -o out.pdf	to rotate clockwise by 90 degree	
Tenses.pdf		
ln -fs 'any directory' 'directory	creates directory linkt the new direc-	
name in pwd'	tory like a portal	
i	to redirect output for example in a file	overrides existing file
ii	appends output into new director/- file	doesn't override existing file
tmux	starts a tmux session	
tmux ls	lists tmux sessions	
crtl + b , D	detaches tmux session	
crtl + b , p/n	go to previous/next window	
crtl + b, 1 00	switch/select window by number	
tmux list-sessions	shows active lessions	
crtl + b, s	11 11	
zip -r zipname.zip directory1 direc-	to zip files and directory with -r	
tory2 file1		
f2 or esc to enter BIOS/UEFI -;	to boot from a external device, than	
boot menu	it will also schow up in grub	
usb-device	list device conectet	
ls /etc/apt/sources.list.d	list of repositorys installed via add-	
	apt-repository	
sudo rm	to delet a repository without the ex-	
/etc/apt/sources.list.d/name-	act ppa name	
from-above		
apt-key list	list keys for ppas	
sudo do-release-upgrade	updates software to newest Ubuntu-	
	version	
sudo do-release-upgrade -c	to see what versions are available	
apt show "programm"	shows info about the programm	
gpg -d "file"	to dencrypt file	
findtype f -name '*pattern*'	will find all files in . folder with	
	name pattern, u can change pattern	
	to any patter	
findtype f -name '*pattern*' -exec	moves every founde file to . or	
mv {} .	whereever i want it	

mutool draw -R 90 -o out.pdf Tenses.pdf	to rotate clockwise by 90 degree	
In -fs 'any directory' 'directory	creates directory linkt the new direc-	
name in pwd'	tory like a portal	
-	to redirect output for example in a	overrides existing file
i.	file	Overrides existing inc
i.i.	appends output into new director/- file	doesn't override existing file
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zip -r zipname.zip directory1 directory2 file1	to zip files and directory with -r	
f2 or esc to enter BIOS/UEFI -;	to boot from a external device, than	
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ls /etc/apt/sources.list.d	list of repositorys installed via add-	
, , , , , ,	apt-repository	
sudo rm	to delet a repository without the ex-	
/etc/apt/sources.list.d/name-	act ppa name	
from-above		
apt-key list	list keys for ppas	
sudo do-release-upgrade	updates software to newest Ubuntu-	
	version	
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findtype f -name '*pattern*'	will find all files in . folder with	
	name pattern, u can change pattern	
	to any patter	
findtype f -name '*pattern*' -exec	moves every founde file to . or	
mv {} .	whereever i want it	
pdfposter -mA2 example.pdf	makes pdf in A2 foramt	
example-A2-pdfposter.pdf	_	
pdfinfo	schows info of pdf	

code	meaning	information
mount "device name" "mount	mounts device	mount points for example: /mn-
point"		t/usedrive/media/usb/media/USB
fdisk -l	list all the devices and also usb discs	
bluetoothctl scan on	scans for devices	can also just first bluetoothctl an then do alle the commands
bluetoothctl discoverable on	make own devicese discoverable	
bluetoothctl pair	pair with device, thats an example	
FC:69:47:7C:9D:A3	name, if already paired once this is	
	not necesairy	
bluetoothctl connect FC:69:47:7C:9D:A3	to connect to device	
bluetoothctl paired-devices	shows paired devices	more commands on https: //www.makeuseof.com/ manage-bluetooth-linux-with-blue
pandoc DOCUMENT.md -o DOC- UMENT.pdf	compiles Markdowndocument to pdf	
idevicepair pair	pairs iphone	
ifuse /medie/iphone	mounts iphone to that path	
ifuse -u /medie/iphone	unmount iphone	
convert -resize 50% picture.jpg new-	picture will downsized to 50%	
picture.jpg		
tar -xf file.tar.gz	unzips tar or gz files	
xclip -o ¿ /path/to/file.txt	to put something from clipboard to a file	
sudo snap remove package_name	removes snap package	
sudo systemctl status spoti-	looks if spotifyd.service programm is	
fyd.service	active	
spotifyd	start spotifyd api	after that spt will work
Ctrl + Z	suspends process	
jobs	shows what processes are in the background	
fg %number	brings process in foreground	number is the number shown when jobs executed
jupyter nbconvert –to pdf saturn- clou1.ipynb	converts jupyter files to pdf	
shred -u	removes not only pointer (rm) to	
	data, it also removes the actual data	
fzf	a programm to find paths of files	
%lsblk -p — grep "disk — part"	to find devices that are mountd an can be	
pdfseparate -f 1 -l 5 input.pdf	seperates pdf, 1 and 5 stands for the	
output-page%d.pdf	start and end page	
pdftk inputfile.pdf cat 1-5 output	1-5 range of pages you want from	
nameoutputfile.pdf	original pdf, cut pdf	
top	shows ongion processes with Mem-	
C 1	ory ussage and others	
free -h	show ussage of RAM with buffer,	
44	swap und caches ussage	in mangar
dd	copy cut file	in ranger
pp	paste what was cutted	in ranger
sudo nmeli dev wifi list	shows list of accessable wifis connect to wifi with name network-	https://www.malaugasfa/a
sudo nmcli –ask dev wifi connect network-ssid	ssid and ask for passwort	https://www.makeuseof.com/connect-to-wifi-with-nmcli/

TMUX

: means in Commandmode of tmux

	: means in Commandmode of tinux	
crtl + space	regular prefix for everything in tmux	
tmux	written in terminal, opens a new	
	tmux session with name 0	
tmux new-session -s name	opens new session with "name"	
tmux ls	list active tmux sessions on server	
tmux attach-session -t name	attaches session with set name	
prefix + c	opens new window in session	
prefix + d	detaches session	brings it in the backround
prefix + shift + %	splits screen verticaly with new pane	
	to the right	
prefix + shift + "	" " horrizontaly " " ont the buttom	
prefix + x	closes panesession	
prefix + q	shows nuber for pane	
prefix + q + number of pane	changes to set pane	
prefix + number	changes to window with set number	
prefix + z	overlases your pane ocver the others	
prefix + s	shows open terminals and can	
	change there	
prefix +:	enter commandline for tmux	
: new	opens new Session	
: new -s "name"	" " with name as name of session	
prefix + \$	rename the session	

Bash "Syntax"		
code	meaning	information
\$"something"	with \$ u access something	\$1 gets first input
("Function")	inside () something like find or pwd	
	gos	
"Command"	Command stands for like $1##*/$	in compileInfo it cuts the filename
\$parameter#pattern	shortest match from pattern in pa-	
	rameter from beginning is deleted	
\$parameter##pattern	longest match from pattern in pa-	\$1##*/ deletes everything from in-
	rameter from beginning is deleted	put bevor the last /
\$parameter%pattern	like # just from end	
\$parameter%%pattern	like ## just from the end	
" text "	everything in "" will be like String	echo "pdflatex textdummit.tex"
	and no commands except \$,',back-	output pdflatex textdummi.tex
	slash	
' command/text'	similar to "" but can use variables	echo "my variable value is '\$variable'
		"
variable=5	declaring variable as integer 5	works like in python
==!=+-*/%	operator like in java but has also	
	other use	

```
then
statement
fi

if [condition 1]
then
Statement 1
elif [condition 2]
then
Statement 2
else
Statement 3
```

14

fi

if [condition]

for more information of syntax

https://www.tutorialspoint.com/unix/unix-basic-operators.htm

Samsung Electronics Co., Ltd GT-I9100 Phone [Galaxy S II] (Download mode)

Problems with PUBLIC-keys on ppa, -¿ just download ppa again like "sudo add-apt-repository ppa:neovim-ppa/stable"

after "apt update" u see the repositorys and if they have launchpad in it u can short the ppas easy to there names.

like "http://ppa.launchpad.net/neovim-ppa/stable/ubuntu" - "ppa:neovim-ppa/stable"