

Software managing

downloads latest software / packages list
\$ sudo apt update

updates software based on previously downloaded list
\$ sudo apt upgrade

installs specific software
\$ sudo apt install package_name

find location of package files/binaries
\$ whereis package_name

removes software but keeps configuration files
\$ sudo apt remove package_name

removes software and configuration files
\$ sudo apt purge package_name

shows all installed packages
\$ apt list --installed

shows if a package is installed
\$ apt list -installed package_name

searches installed packages based on a name
\$ dpkg -l | grep -i put_your_search_name_here

shows available packages by pattern
\$ apt search package-name

System info

top current processes + resources usage summary
\$ top

Linux version
\$ lsb_release -a

System info
\$ sudo dmidecode -t system

Kernel info
\$ uname -a

current time and date
\$ timedatectl
\$ date

disks usage
\$ df -h --total

file system partitions
\$ sudo fdisk -l

shows verbose info
\$ lsblk (Disks)
\$ lshw (Hardware)
\$ lscpu (CPU)
\$ lsusb (USB)

alternative info based on DMI tables
\$ sudo dmidecode -t (+ component name i.e. bios)

Exploring

home folder shortcut
~ (equals to /home/user_name/)

root folder
/

list all files in a current directory (included hidden)
\$ ls -al

current working directory path
\$ pwd

change current directory to home
\$ cd

change current directory to destination_path
\$ cd destination_path (i.e cd ~)

change current directory to one level up
\$ cd ..

history of inputted commands
\$ history

manual for a command
\$ man command_name (i.e. man cp)

Files & folders

create a file
\$ touch file_name.extension

create a folder
\$ mkdir folder_name

copy
\$ cp ~/path_file_to_copy ~/destination (single file)
\$ cp -R ~/path_to_folder ~/destination (single folder)
\$ cp ~/*.extension ~/destination (all files with ext)

move
\$ mv ~/file_or_directory_to_move ~/destination

remove
\$ rm ~/file_to_remove.extension (single file)
\$ rm -R ~/folder_to_remove (single folder)

find a file or a folder by name
\$ find ~/destination --iname file_or_folder_name

show last lines of a file (usefull for large files i.e logs)
\$ tail file_name.extension

Services

service commands
\$ sudo service service_name status
\$ sudo service service_name start
\$ sudo service service_name stop
\$ sudo service service_name restart