

## Useful commands cheat sheet to use when working with a Raspberry Pi

Raspbian OS Terminal	
cat [name]	Show the contents of the file [name]
cd ..	Change to parent directory
cd [path]	Move to the directory at [path]
cd /	Change to root directory
cd ~	Change to your home directory - usually "/home/"
chmod [who][+,-,=][permissions] [name]	Change the permissions for a file
chmod 777 [name]	Allow all users to read, write and execute the file [name]
chmod u+x [name]	Allow the user to execute [name]
cp -r [from] [to]	Copy all files and subdirectories from source [from] to destination [to]
cp [from] [to]	Copy a file from source [from] to destination [to]
find	Search for files and their contents
grep 'string' [name]	Search inside one or more files for occurrences of 'string'
head [name]	Return all occurrences of 'string' within file [name]
ls	List the contents of the current directory
ls -a	List all files including hidden files
ls -l	List the contents of the current directory with more file information
ls [path]	List the contents of the directory found at [path]
man [command]	Open the manual/help page for [command]
man man	Open the manual/help page for the 'man' command (helpception)

mkdir [name]	Create a directory called [name] in the current working directory
mv -r [from] [to]	Move all files and directories from source [from] to destination [to]
mv [from] [to]	Move a file from source [from] to destination [to]
pwd	Show the name of the current working directory
python/python3 --version	Shows you what version of Python you currently have installed
rm -r *	Remove all files and directories from the current working directory
rm [name]	Remove the specified file
rm *	Remove all files from the current working directory
rmdir [name]	Remove the empty directory [name] from the current working directory
sudo [command]	Superuser do. Execute [command] with elevated privileges (Allows you to do things you usually wouldn't have access to)
sudo apt-get install [package]	Install a package
sudo apt-get update	Update the list of packages
sudo apt-get upgrade	Upgrade the installed packages - must be run after sudo apt-get update
sudo chown pi:root [name]	Change the owner of the file [name] to user 'pi' and set the group to 'root'
sudo raspi-config	Launch the Raspberry Pi configuration menu
sudo reboot	Safely restart your Pi
sudo shutdown -h now	Safely shutdown your Pi immediately
sudo su	Places you in the root directory with root user access - be careful with this!
tail [name]	Show the end of file [name]
tar -cvzf [name] [path]	Create compressed file [name] from the contents of [path]
tar -xvzf [name]	Extract the contents of the compressed file [name]

wget [uri]	Download the file found at [uri] on the internet
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