Basic Commands

|	Pipe command (to redirect output)
sudo	Run commands as root user
cd dir	Change directory to dir
cd ..	Go up a directory
!!	Repeat the last command
w	Display who is online
history	Displays all the commands run in the terminal by the user in the current session

File commands

ls -al	Display all information on files/directories
pwd	path of current working directory
mkdir [dir_name]	Create directory
rmdir [dir_name]	Remove directory
rm -r [dir-path]	Remove directory recursively
touch [file--name]	Create file
mv file1 file2	Move/Rename source to destination
cat > file	Place standard input into file (Rewrite)
cat >> file	Append standard input into file
wc	Print number of bytes, words and lines in file
head -n file	Output beginning of file
tail -n file	Output ending of file
more (or less)	Output the contents of a file, one page at a time
ln -s file link	Create symbolic link "link" to file

System info

date	Show current date/time
cal	Show present month's calender
uptime	Show uptime
whoami	Prints current user id
free	Show memory and swap usage
man	Manual for any command
df	Show disk usage
du	Show directory space usage

Process management

ps	Display currently active processes
kill pid	kills process with id "pid"
fg	Brings most recent job to foreground
bg	Lists stopped/background jobs

File permission

chmod	Change file permission
Add number / acronym	User
2 / w	Write
1 / x	Execute
4 / r	Read
chgrp	Change group
chown	Change ownership
chmod 777	rwx for all

User management

sudo useradd username	Add new user
sudo passwd -l username	Change password of user
sudo userdel -r username	Delete user
sudo usermod -a -G groupname user	To add a user to a group
sudo deluser user groupname	Remove user from group

Network

ifconfig	Displays IP addresses
ping host	ping host and output results
wget file	download file
wget -c file	continue a stopped download
dpkg -i pkg.deb	install a package (debian)

Searching

grep pattern file	Search for the pattern in the file
grep -r pattern dir	Search recursively for pattern in dir
locate file	find all instances of file
command | grep pattern	search for the pattern in the output of the command

Compression

tar cf file.tar files	Create a tar named file.tar containing files
tar xf file.tar	Extract the files from file.tar
tar czf file.tar.gz files	Create a tar with Gzip compression
tar xzf file.tar.gz	Extract a tar using Gzip

Terminal

Ctrl+C	Halt current command
Ctrl+Z	Pause Current command
Ctrl+D	Logout
Ctrl+W	Remove a word from current line
Ctrl+U	Remove current line
Ctrl+A	Go to the beginning of the current line
Ctrl+E	Go to the end of the current life