

## Basic File and Directory Operations

ls Command	lists all files and directories in the current directory	ls [options] [file dir]
cd Command	changes the current directory to the specified one	cd [directory]
pwd Command	prints the path of the current working directory	pwd [options]

## File Manipulation

cat Command	print a file's contents in the terminal	cat [options] [file path]
touch Command	create a new, empty file	touch [file]
rm Command	removes files or directories	rm [options] [file dir path]
mkdir Command	creates a new, empty directory	mkdir [options] [dir]
rmdir Command	removes only empty directories	rmdir [options] [dir]
cp Command	copy files and directories using the CLI	cp [options] [source] [destination]
mv Command	move files and directories	mv [options] [source] [destination]

## Changing Permissions

chmod Command	modifies file and directory permissions	chmod [options] [mode] [file]
chown Command	changes the ownership of files and directories	chown [options] [mode] [file]

## Archiving and Compression

tar Command	creates, extracts, and manipulates archive files	tar [options] [archive-file] [file   dir...]
gzip Command	gzip compression utility	gzip [options] [file...]
gunzip Command	utility for decompressing gzip files	gunzip [options] [file...]

## Searching and Sorting

find Command	searches for files or a specific string of characters	find [location] [expression] [options]
grep Command	searches files for lines that match a regular expression	grep [options] [search pattern] [file]
sort Command	sorts the lines in text files in a specific order	sort [options] [file]

## Control Operations

kill Command	terminates processes by sending signals to them	kill [options] pid...
history Command	displays a list of recently executed commands	history [options]
exit Command	ends a terminal session or script	exit [n]
pipe Utility	connects the standard output of one command to the standard input of another	
Redirect Operator	controls the input and output of commands	>, >>, 2>, <, <<

## Viewing File and System Details

head Command	shows the beginning section of a text file or input stream	head [options] [file...]
tail Command	shows the ending portion of a text file or input stream	tail [options] [file...]
echo Command	displays text or variables on the terminal	echo [options] [string]
date Command	prints the system date and time	date [options] [+format]
df Command	displays information about disk space usage	df [options] [filesystem]
du Command	displays the disk space usage of files and directories	du [options] [file]
ps Command	provides information about currently running processes	ps [options]