

Directory Navigation

What?	Command	Description
print working directory	<code>pwd</code>	displays current working directory
Listing	<code>ls</code>	list the contents of the current directory
Listing -classify	<code>ls -F</code>	classify the listing (directories, links, executables)
Use a command	<code>ls --help</code>	displays more information on how to use the command or program.
Listing + option + Argument	<code>ls -F Desktop</code>	The argument Desktop tells ls that we want a listing of a specific directory
change directory	<code>cd</code>	The cd command is akin to double-clicking a folder in a GUI
cd to parent	<code>cd ..</code>	move up one directory level
cd to previous	<code>cd -</code>	cd back and forth between current and last directory
cd to home	<code>cd ~/folder</code>	(~) character at the start of a path = "the current user's home directory"

<https://swcarpentry.github.io/shell-novice/02-filedir.html>

Directory Creation

What?	Command	Description
Make directory	<code>mkdir example</code>	Make a new directory 'example' is created in the current working directory
mkdir plus child directories	<code>mkdir -p ../example/a ../example/b</code>	Create a directory with nested subdirectories in a single operation
List all subdirs	<code>ls -R ../example</code>	List everything in the indicated dir, including subdirectories. would show: <pre>../example/: a/ b/ ../example/a: ../example/b:</pre>
Create a file	<code>touch file.txt</code>	Create a blank file in the specified format

<https://swcarpentry.github.io/shell-novice/03-create.html>

Deleting, Moving & Copying

Multi-file & multi-folder actions

What?	Command	Description
Move	<code>mv -i old.txt dir/new.txt</code>	Moves file to new location
Move (rename)	<code>mv -i abc.txt def.txt</code>	renames a file (with confirmation prompt)
Move to current directory	<code>mv dir/new.txt .</code>	Moves the specified file to the cd
Copy a file or dir	<code>cp abc.txt letter s/a bcd.txt</code>	Copy a file or directory to the specified location/filename.
Copy a dir + all contents	<code>cp -r abc abc-backup</code>	recursive option -r, e.g. to backup a directory
remove a file	<code>rm -i example.txt</code>	removes the indicated file
remove a folder	<code>rm -r -i</code>	Removes the indicated folder by including recursive (-r), includes confirmation prompt (-i). Warning no trash bin in linux, gone is gone!

What?	Command	Description
Copy multiple files	<code>cp file1.txt file2.txt backup/</code>	Copies the three specified files to the backup folder
Wildcards *	<code>cp *.txt text-files/</code>	* represents zero or more other characters. so in this case all .txt files
Wildcard ?	<code>cp data?.txt</code>	? represents exactly one character. So data1.txt AND data2.txt, but not data11.txt

<https://swcarpentry.github.io/shell-novice/03-create.html#operations-with-multiple-files-and-directories>

<https://swcarpentry.github.io/shell-novice/03-create.html#moving-files-and-directories>

Removing Files & Directories		
What?	Command	Description
remove a file	<code>rm -i example.txt</code>	removes the indicated file
remove a folder	<code>rm -r -i</code>	Removes the indicated folder by including recursive (-r), includes confirmation prompt (-i). Warning no trash bin in linux, gone is gone!

<https://swcarpentry.github.io/shell-novice/03-create.html#moving-files-and-directories>