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DAY 03 | PART 4

Directories: mkdir, rmdir, pwd and ls -la

Build folders, move between them and see hidden files.

mkdir | rmdir | pwd | ls -la

WHAT YOU WILL LEARN

Directories: mkdir, rmdir, pwd and ls -la

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1. Create and remove folders
2. Know where you are with pwd
3. Go up one level and back home
4. See hidden files and details with ls -la

REFERENCE

Folders (directories)

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I WANT TO...	COMMAND
Create a folder	mkdir folder_name
Show where I am	pwd
Go into a folder	cd folder_name
Go back one level	cd ..
Go to my home folder	cd
Go to a full path	cd /path/to/folder
Remove an empty folder	rmdir folder_name
Remove folder and contents	rm -rf folder_name

REMEMBER rm -rf deletes without asking. Double-check the name before pressing Enter.

TRY IT

Make, enter and remove

rmdir fails when the folder is not empty - that is the safe behaviour.

```
$ mkdir d1
$ cd d1
$ pwd
$ cd ..
$ mkdir d2
$ touch file{1..10}
$ rmdir d2
$ rm -rf d2
$ ls -la
```

ls -la

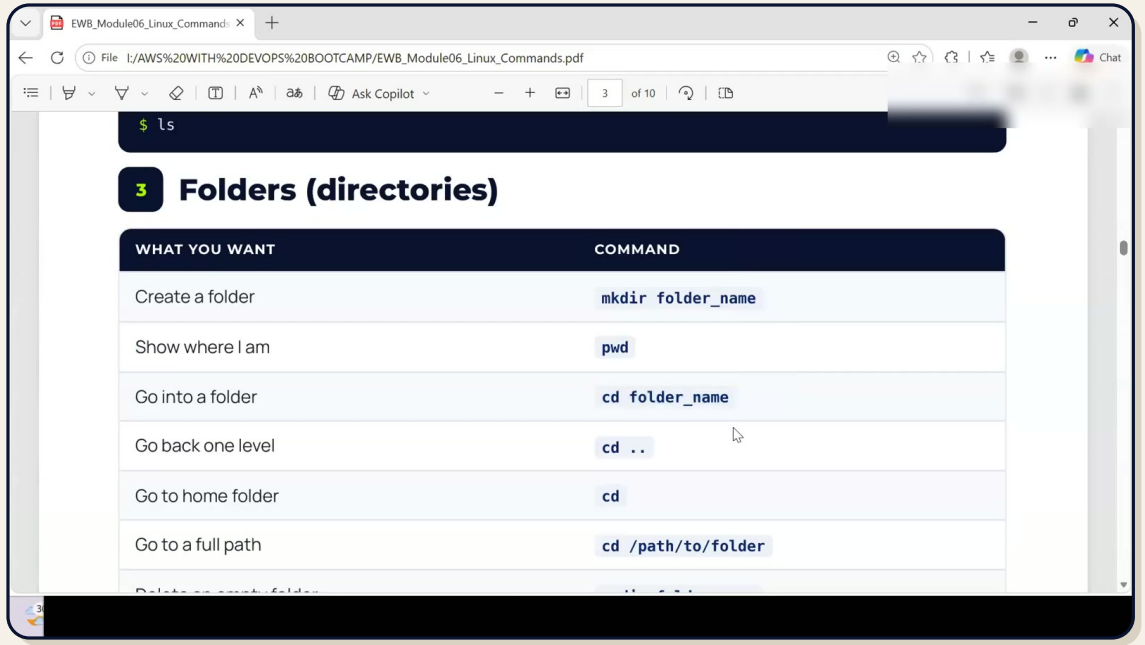
Long list + hidden files (names starting with a dot).

Brace expansion

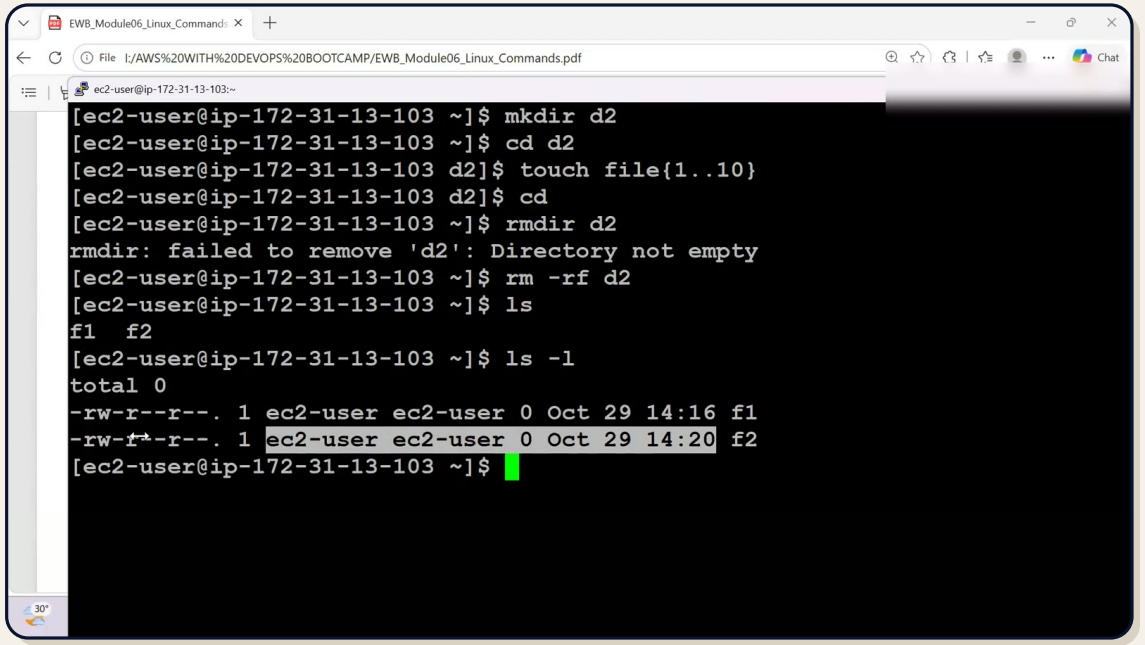
file{1..10} creates file1 to file10 in one go.

FROM THE CLASS

Working with folders



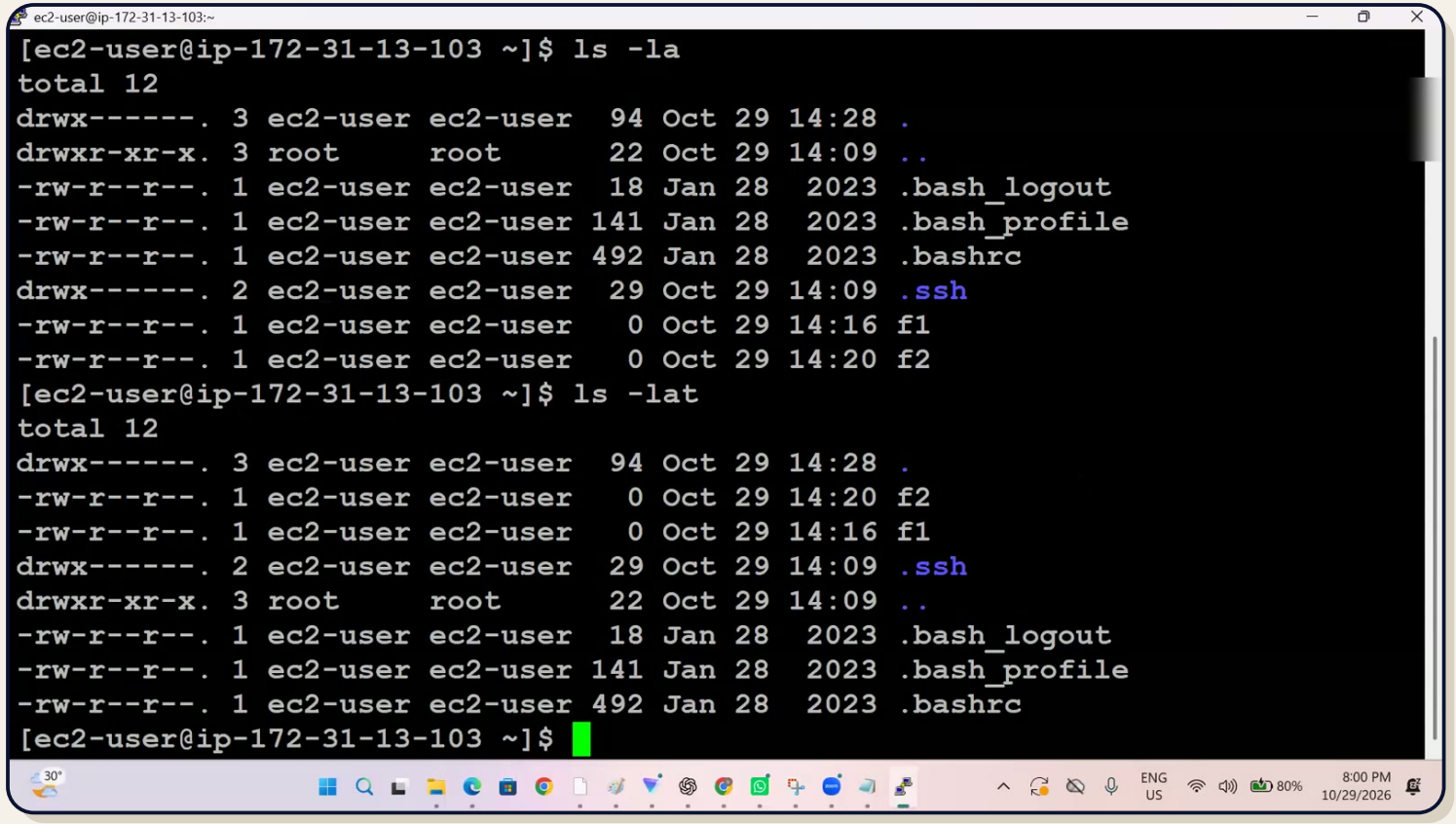
Folders (directories) command table



mkdir, cd and rmdir in the terminal

FROM THE CLASS

What ls -la shows



A moment from the recording for this part.

d at the start

Means it is a directory.

.bashrc, .ssh

Hidden files start with a dot and only show with -a.

Date and size

Columns show owner, size and last-modified time.

QUICK RECAP

What to remember

- mkdir creates, rmdir removes empty folders
- pwd shows the current path
- cd .. goes up, cd alone goes home
- ls -la reveals hidden files and permissions

PRACTICE

Practice questions

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Q1 Which command creates a folder?

A. touch
B. mkdir
C. cd
D. ls

Q2 Why did rmdir d2 fail?

A. Typing error
B. Folder not empty
C. No permission
D. Wrong server

Q3 What does cd .. do?

A. Goes home
B. Goes up one level
C. Deletes folder
D. Lists files

Q4 Which option shows hidden files?

A. -a
B. -r
C. -x
D. -z

PRACTICE

Practice questions - answers

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Q1 Which command creates a folder?

Answer: B. mkdir

mkdir.

Q2 Why did rmdir d2 fail?

Answer: B. Folder not empty

rmdir only removes empty folders.

Q3 What does cd .. do?

Answer: B. Goes up one level

It moves to the parent folder.

Q4 Which option shows hidden files?

Answer: A. -a

ls -a (or -la).