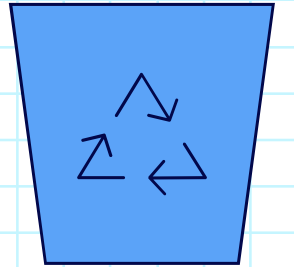
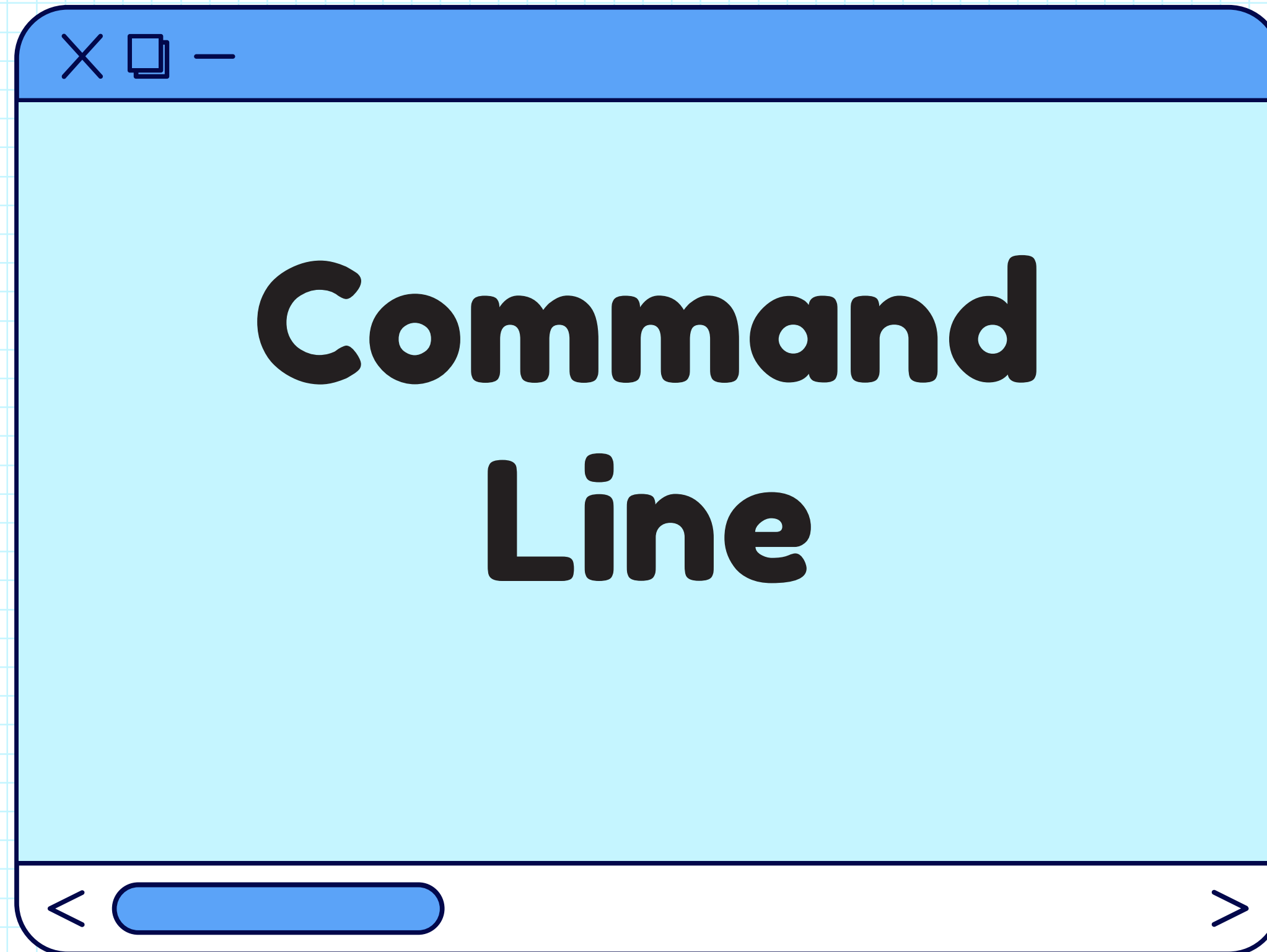
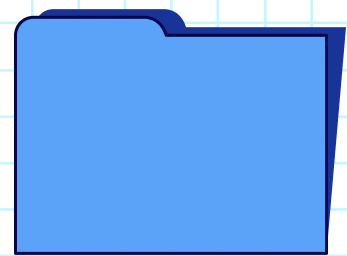


<InfPALS/>



# Command Line (CLI) and why we need it?

- Way for a user to connect to a computer program or operating system
- More Control over your Machine, Faster, Automation of Many Repetitive Task, Available on any Machine (Extra needed for Cloud Computing)



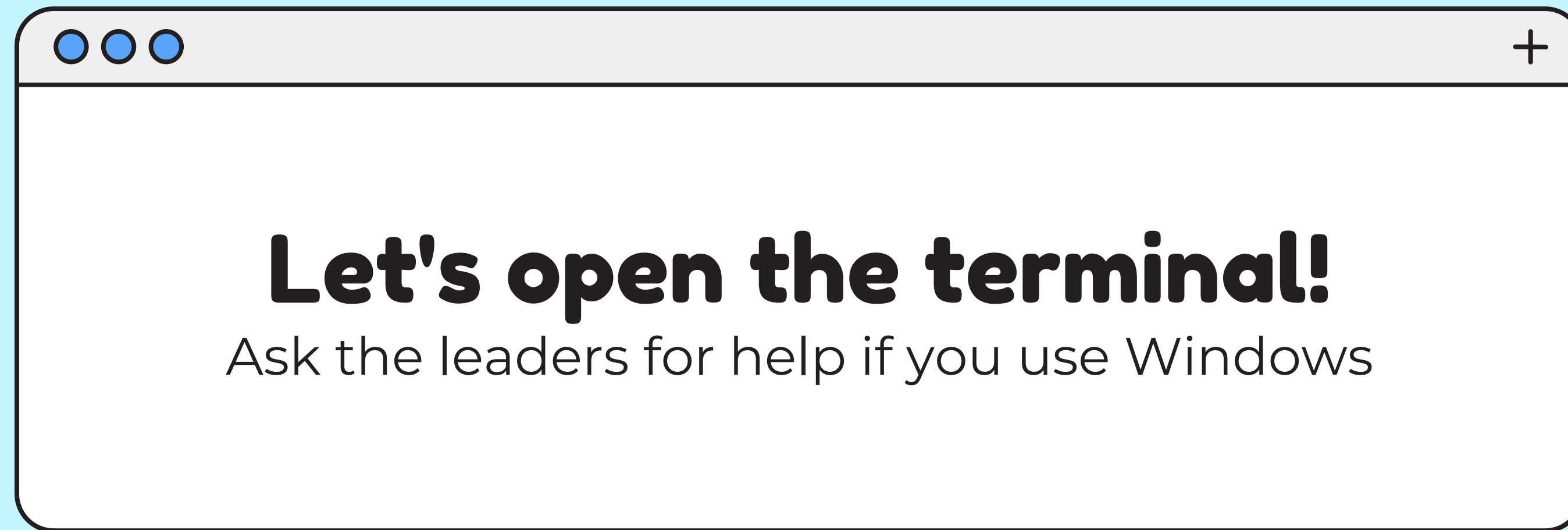
# What Commands are we going to learn?



**ls**  
**pwd**  
**cd**  
**mkdir**  
**touch**

**open . / start .**  
**mv**  
**rm**  
**rm -rf**

We hope you are having fun! ;)

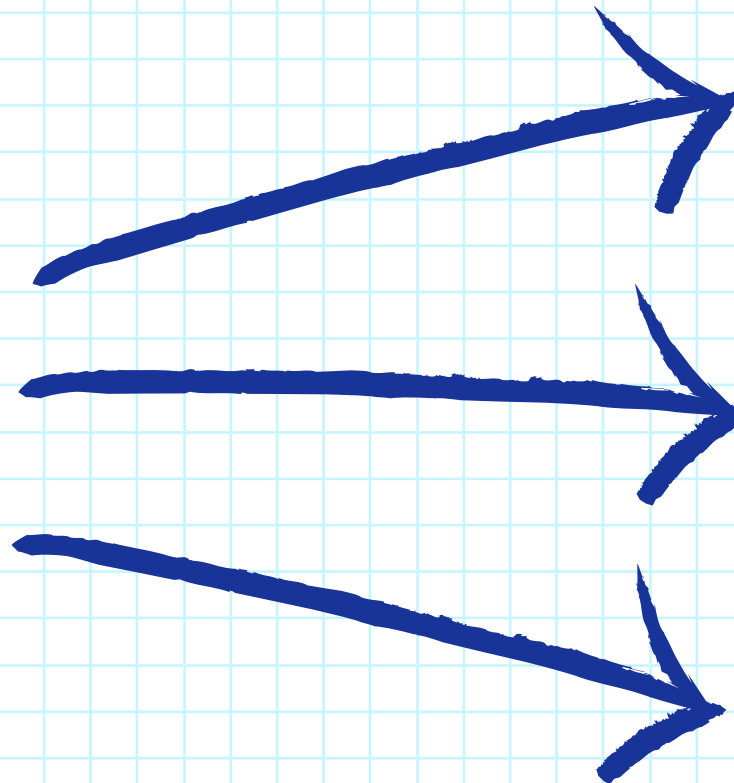




# ls (open . / start .)

List the current content of your directory (open interface)

Folder



Folder1



Folder2



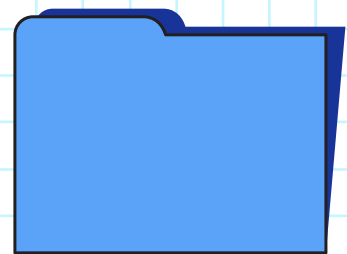
file

Optional: ls -a

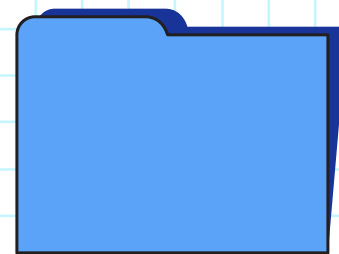
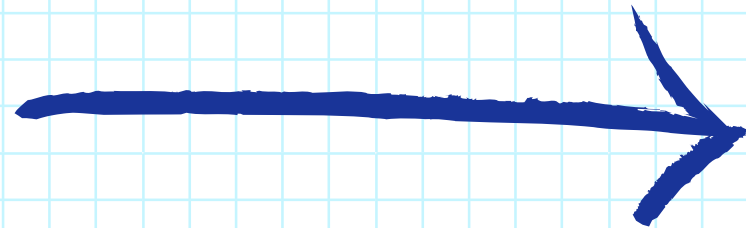


# **pwd (present working directory)**

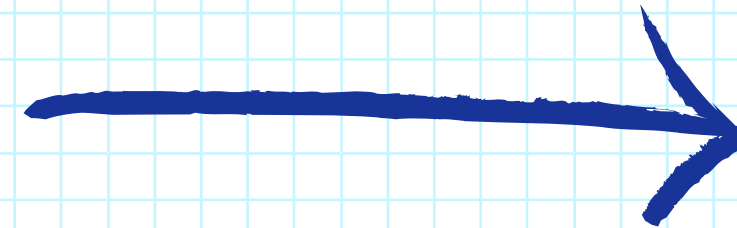
Prints the path to the working directory (where you currently are)



Folder1



Folder2



Folder3

**pwd**

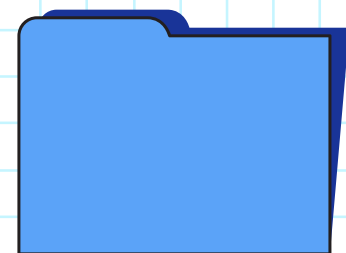
What is the path to Folder3 (your present working directory)?



# cd (change directory)

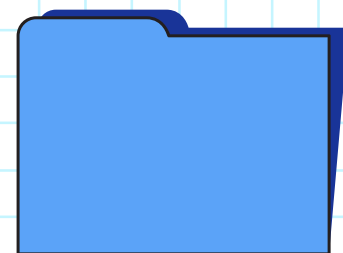
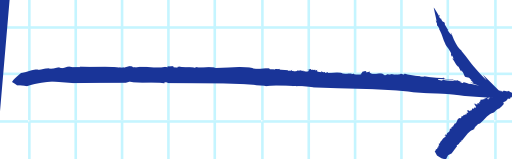
Change and move between the directories

**pwd**

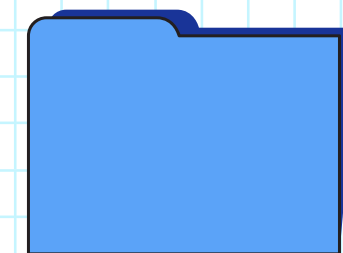


Folder1

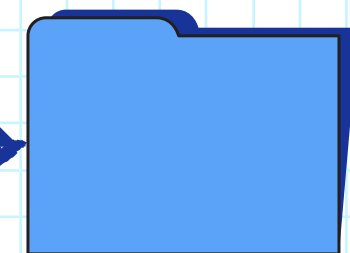
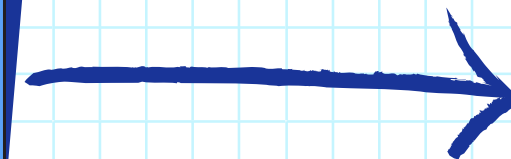
cd Folder2



Folder2



Folder1



Folder2

**pwd**

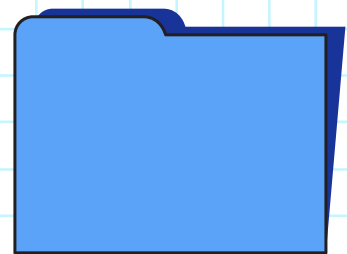
NOTE: Pay attention to the naming of your files!

NOTE2: Dont forget about cd ..



# touch

Creates a file or multiple files

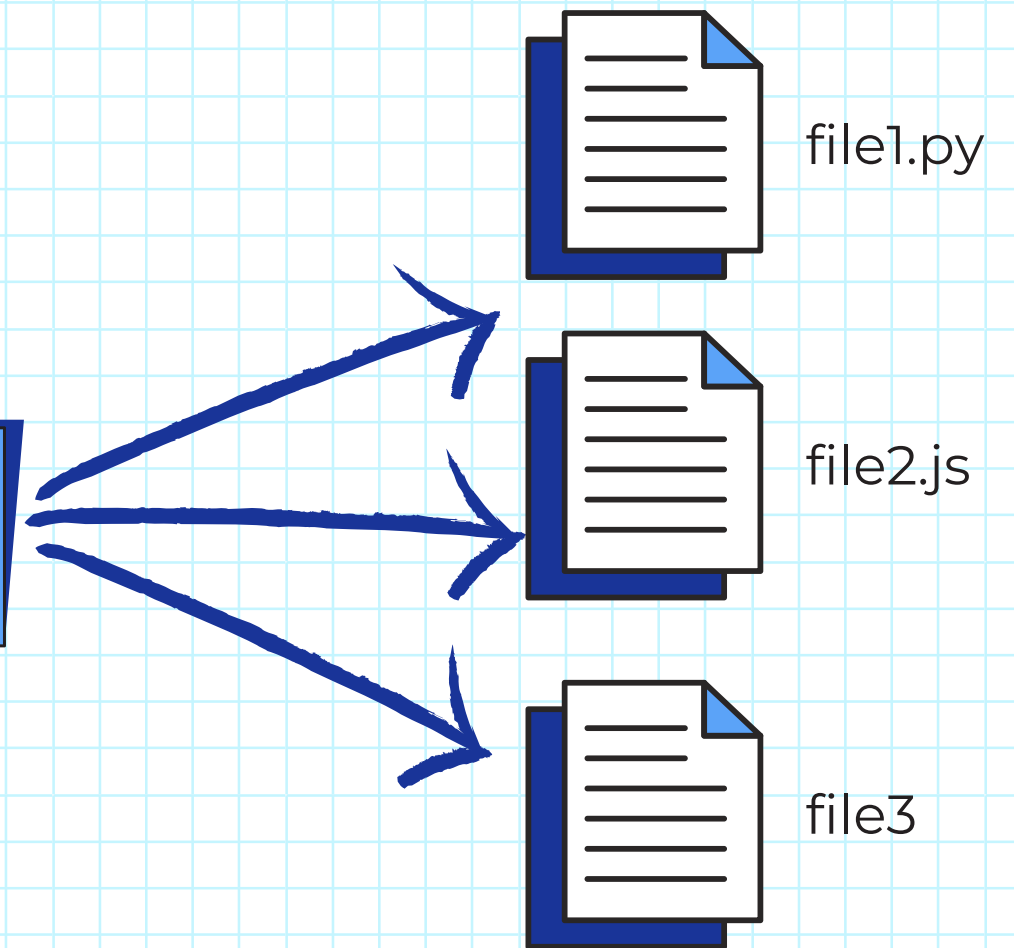


Folder

```
touch file1.py file2.js file3
```



Folder

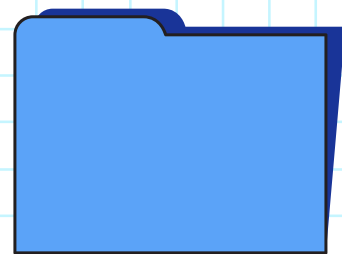






# **mkdir (make directory)**

Creates a directory (folder) or multiple directories (folders)

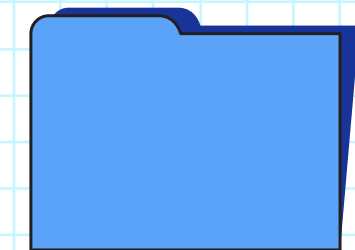
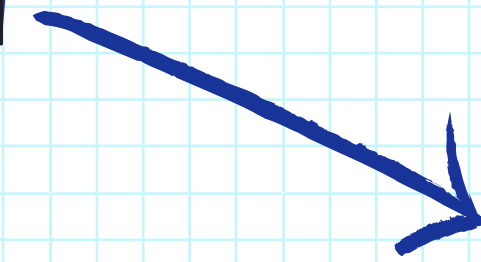
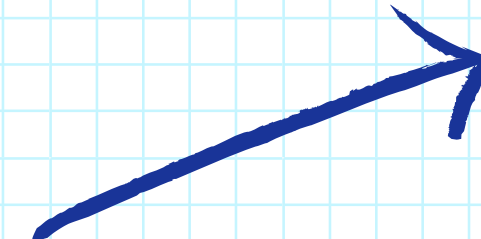


Folder

`mkdir Folder2 Folder3`



Folder



Folder2

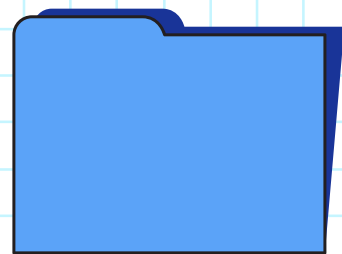


Folder3

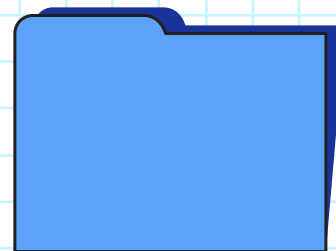
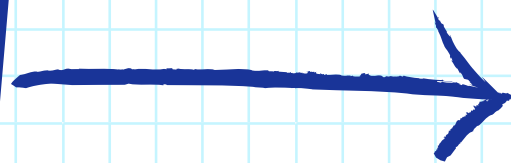


# **mv (move)**

1. **Rename file or directory (folder)**
2. Move a file/directory to a different location



Folder

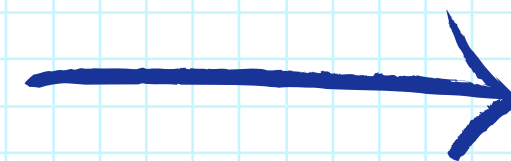


Folder1

`mv Folder Folder2`



file



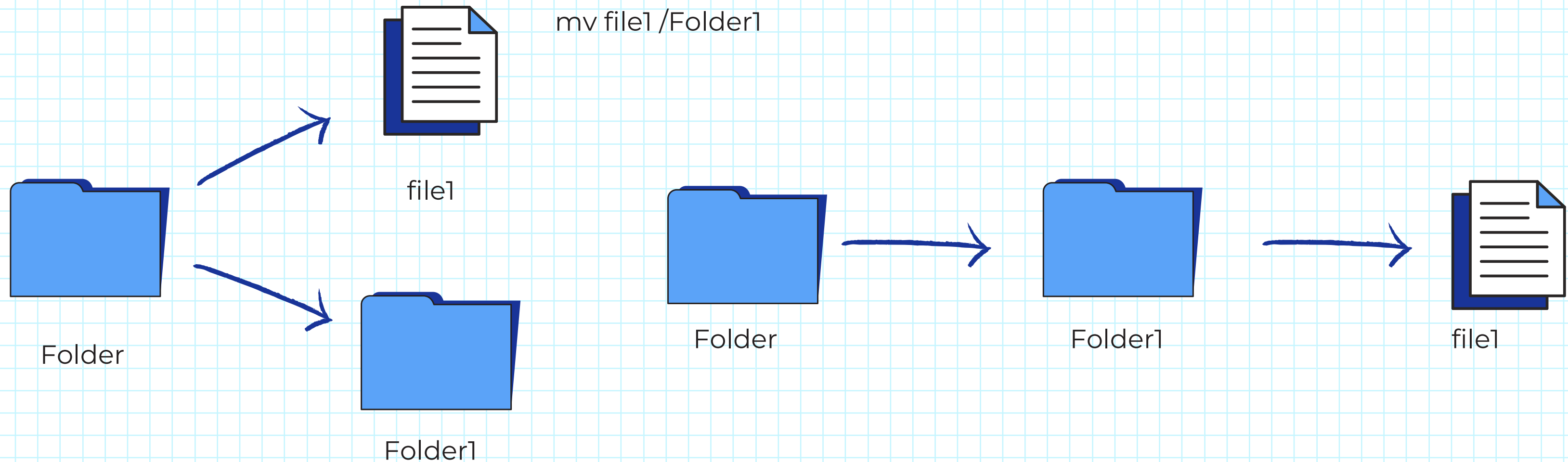
file1

`mv file1 file2`



# **mv (move)**

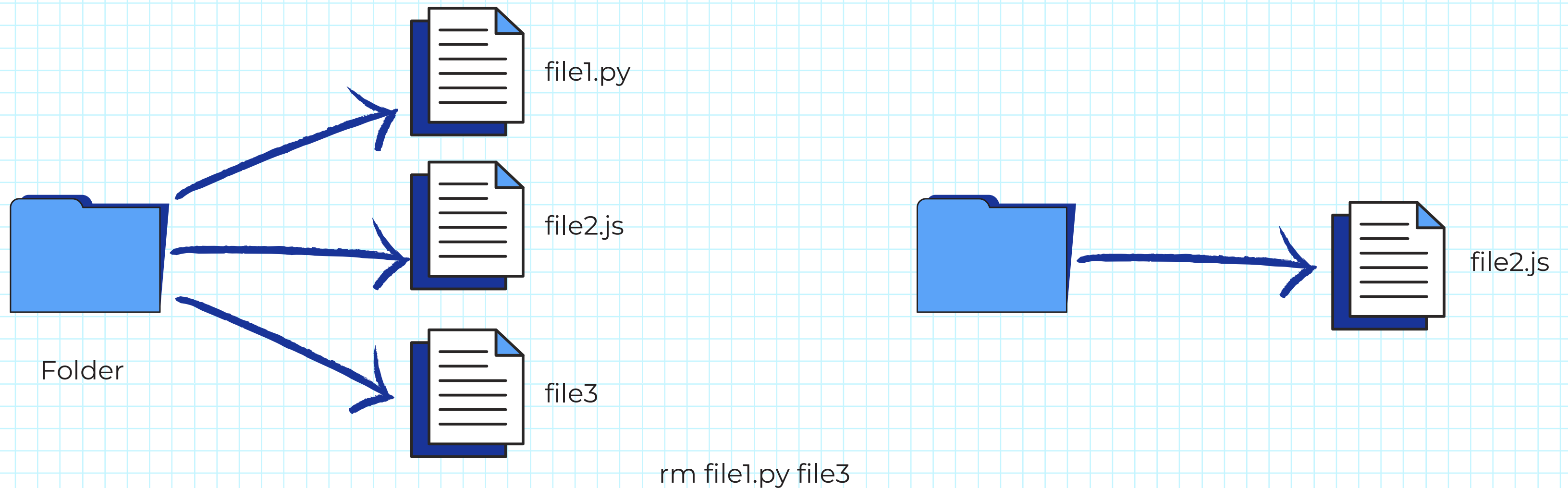
1. Rename file or directory (folder)
- 2. Move a file/directory to a different location**





# **rm (remove)**

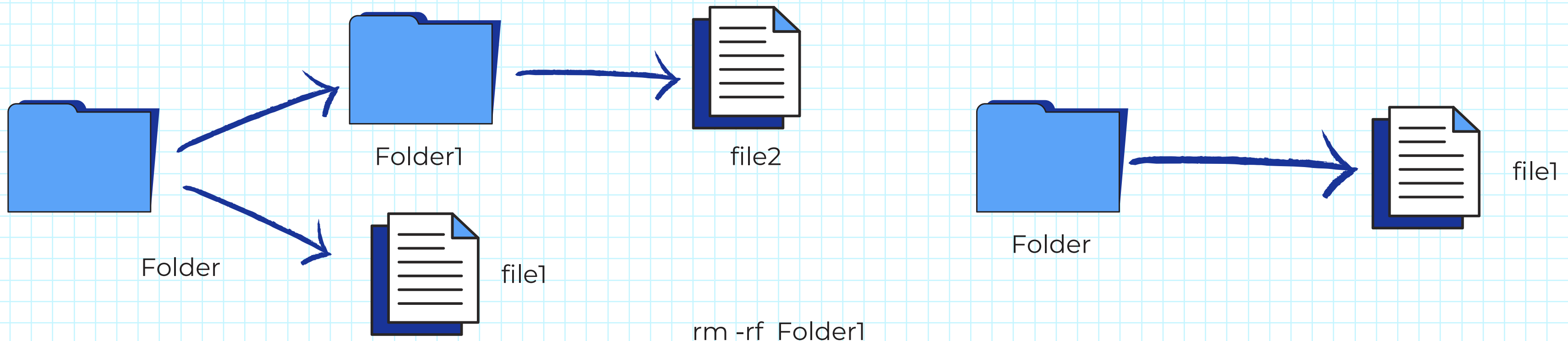
Deletes a file or multiple files



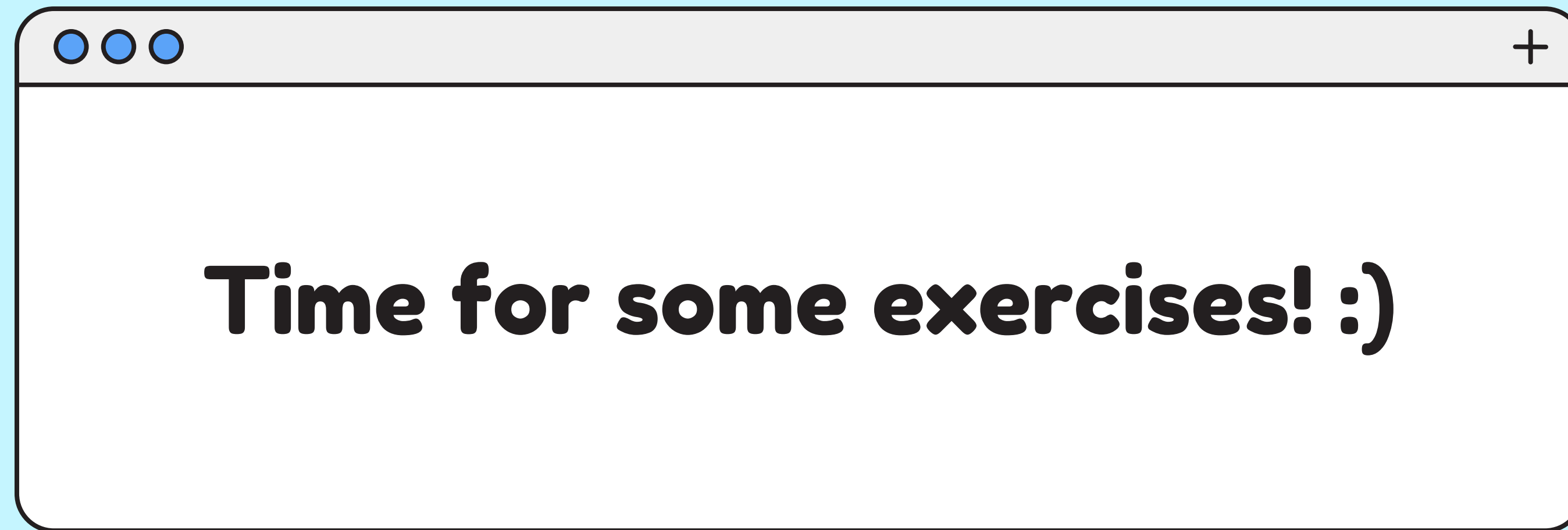


# **rm -rf (remove)**

Deletes a directory (folder) or multiple directories (folders)

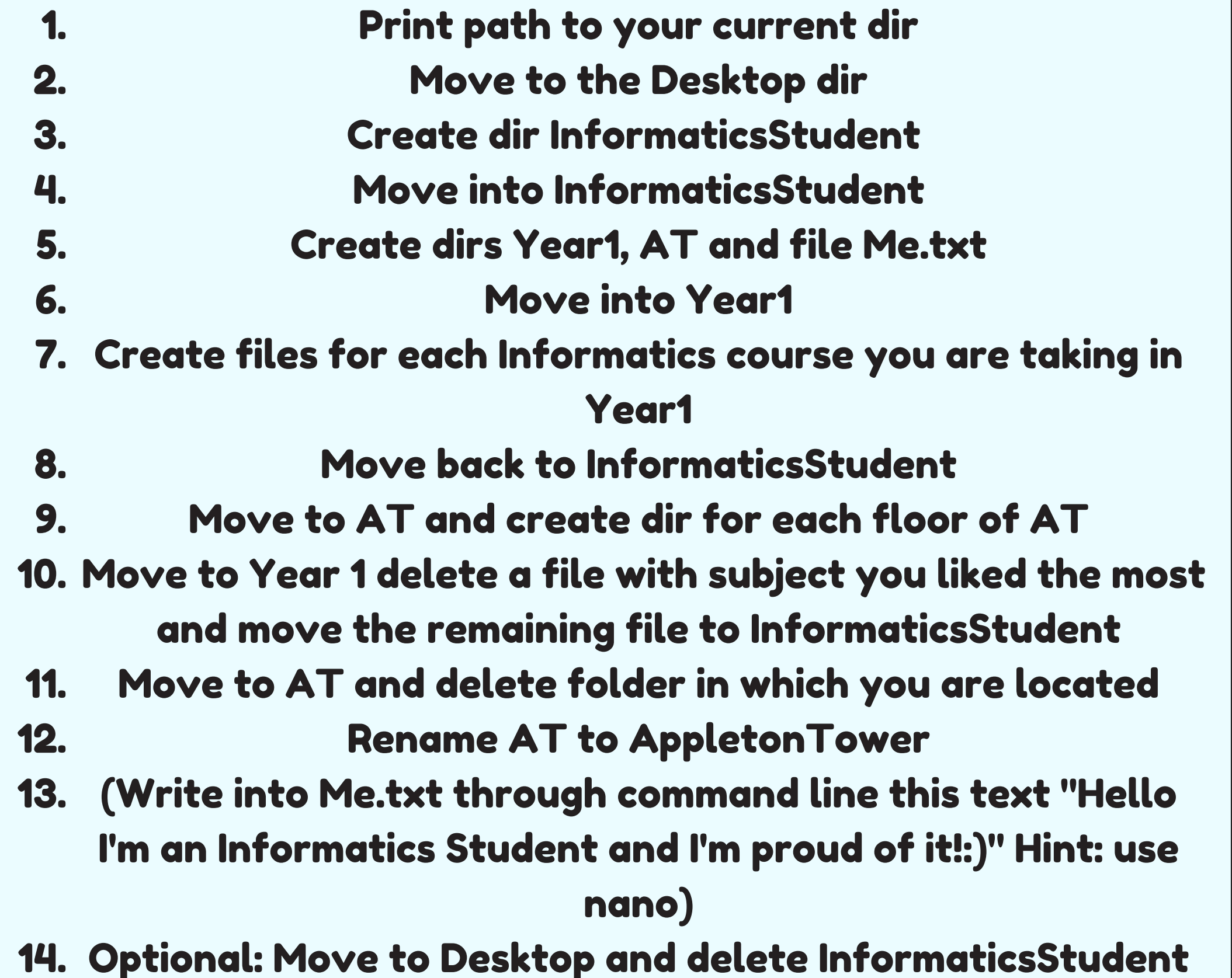


Now it is your turn!

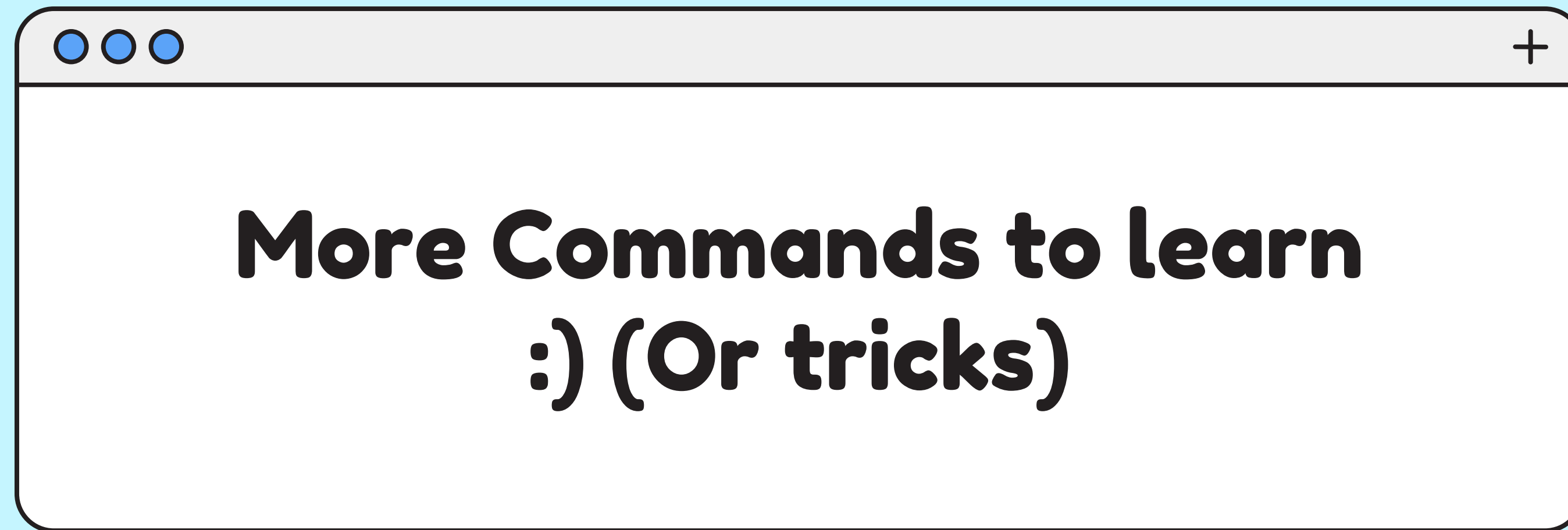


# Try to do things listed in the window!

If you have any problems don't hesitate to raise your hand and the Leader will come and help you. :)

- 
1. **Print path to your current dir**
  2. **Move to the Desktop dir**
  3. **Create dir InformaticsStudent**
  4. **Move into InformaticsStudent**
  5. **Create dirs Year1, AT and file Me.txt**
  6. **Move into Year1**
  7. **Create files for each Informatics course you are taking in Year1**
  8. **Move back to InformaticsStudent**
  9. **Move to AT and create dir for each floor of AT**
  10. **Move to Year 1 delete a file with subject you liked the most and move the remaining file to InformaticsStudent**
  11. **Move to AT and delete folder in which you are located**
  12. **Rename AT to AppletonTower**
  13. **(Write into Me.txt through command line this text "Hello I'm an Informatics Student and I'm proud of it!:) " Hint: use nano)**
  14. **Optional: Move to Desktop and delete InformaticsStudent**

Now it is your turn!



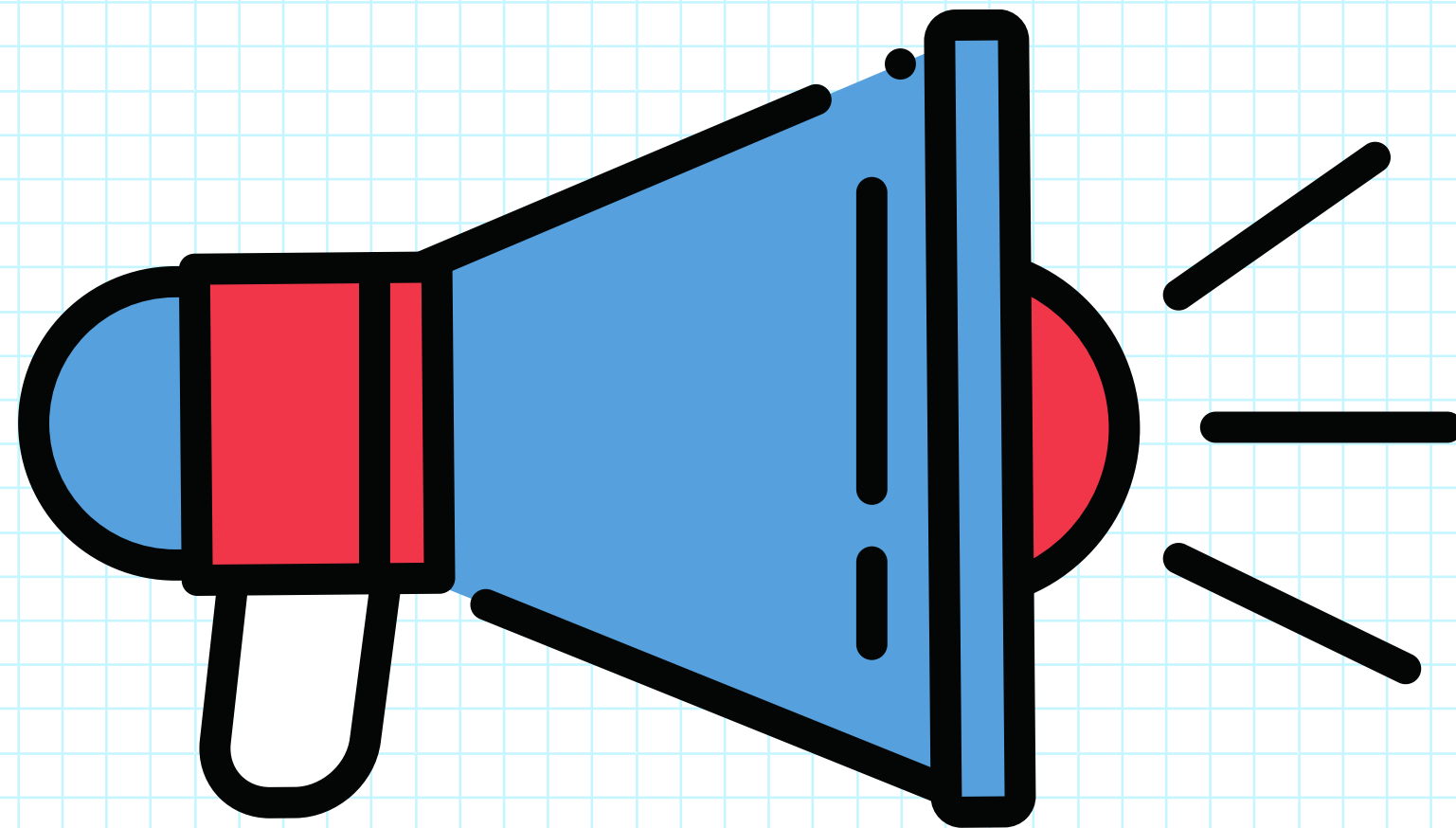
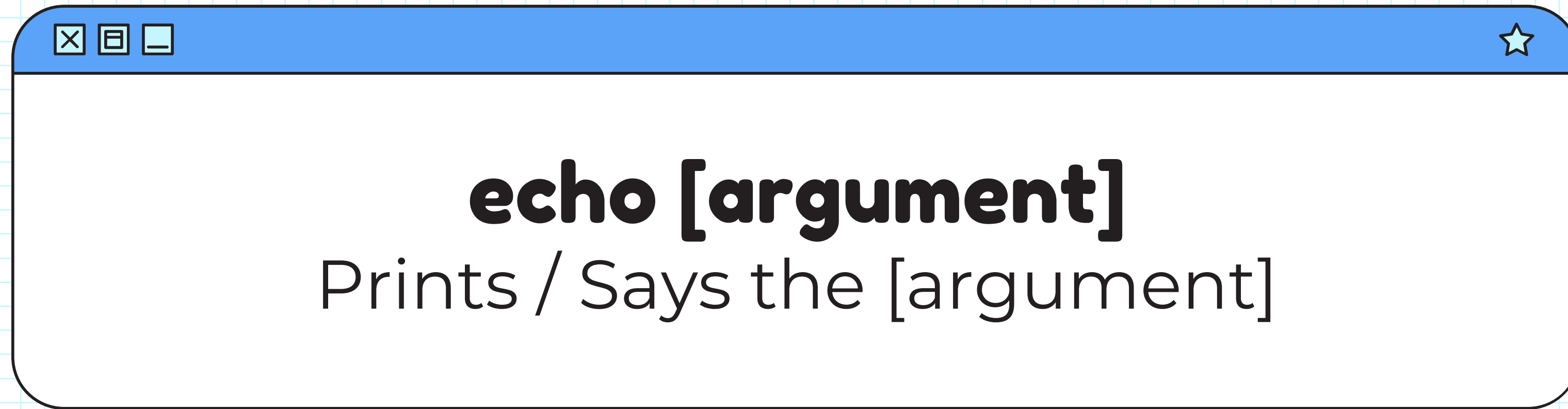




**man [command] / help [command]**  
Prints out documentation for [command]



NOTE: In order to get our press q



echo I love Informatics!



# Use of Tab

Automatically fills in partially typed commands

