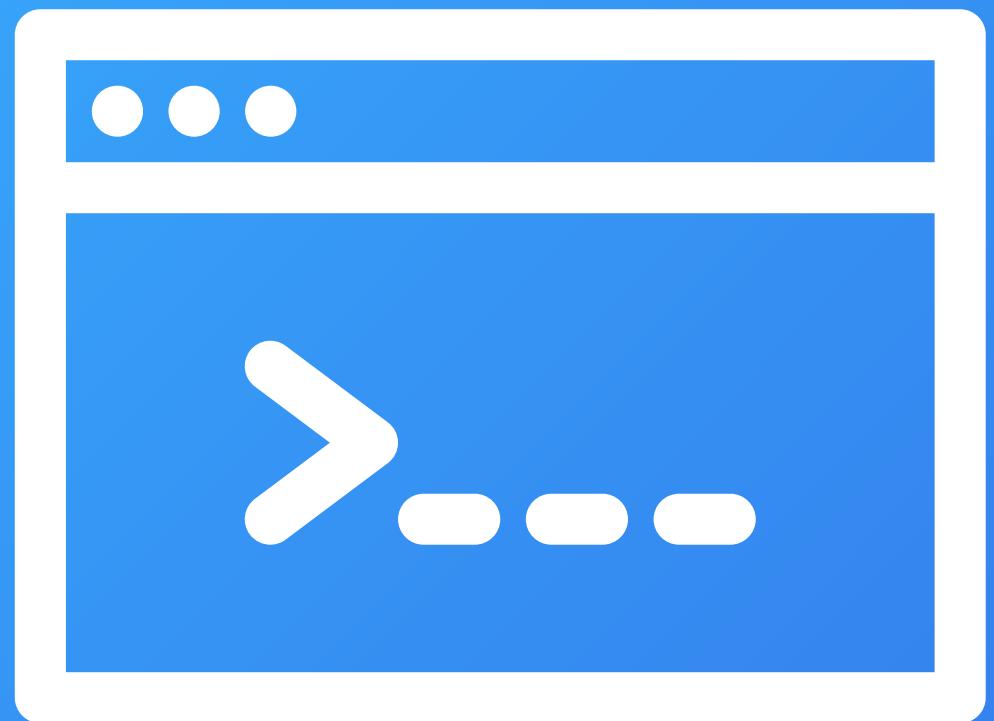


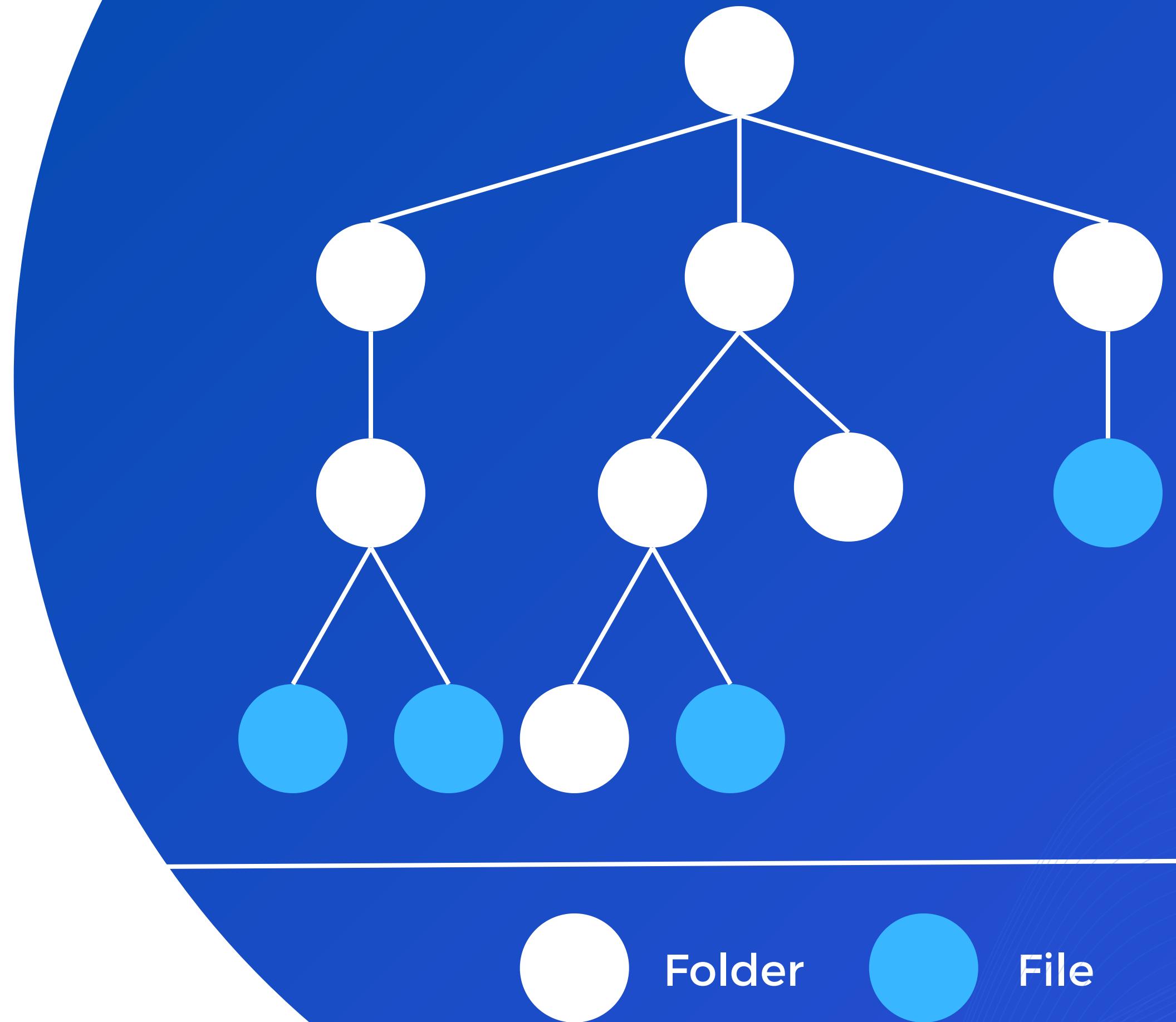
<InfPALS/>

Command Line



WHAT IS IT?

- Way for a user to connect to a computer program or operating system (User Interface)
- When we are connecting to the computer we are connecting to **tree-like structure of files and folders**



COMMAND STRUCTURE

command -options arguments

Options

- How the Command behaves

Arguments

- On what does the command executes its function

WHY WE NEED IT?

- More control over your Machine
- Faster Usage
- Automation of many Repetitive Tasks
- Available on any Machine
- Interaction with Git and Github

WHAT COMMANDS WE GOING TO LERN?

- pwd
- ls
- cd
- mkdir
- touch
- open . / start .
- mv
- rm
- rm - rf
- man / help
- echo
- nano

LET'S OPEN THE TERMINAL

IF YOU USE TERMINAL ASK LEADERS FOR HELP

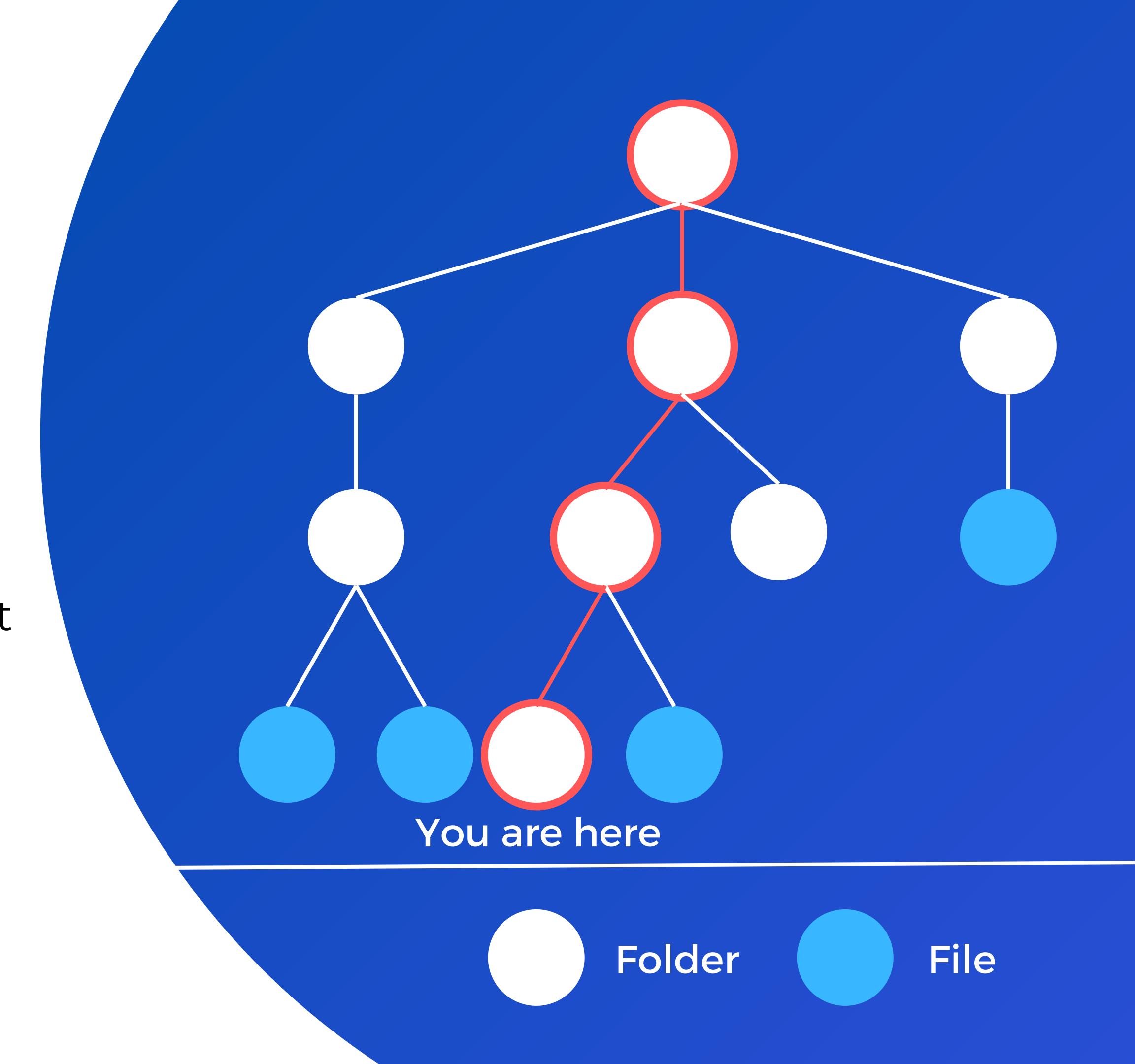
PWD

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

Path can be also seen as a list of all of the folders in which you are currently located

Terminal can only be open in Folder

Example: `pwd`



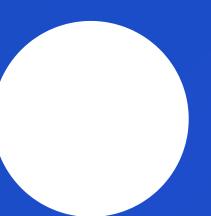
LS

List the current content of your directory (folder)

Example: ls

Optional: ls -a

You are here



Folder



File

CD [DIR]

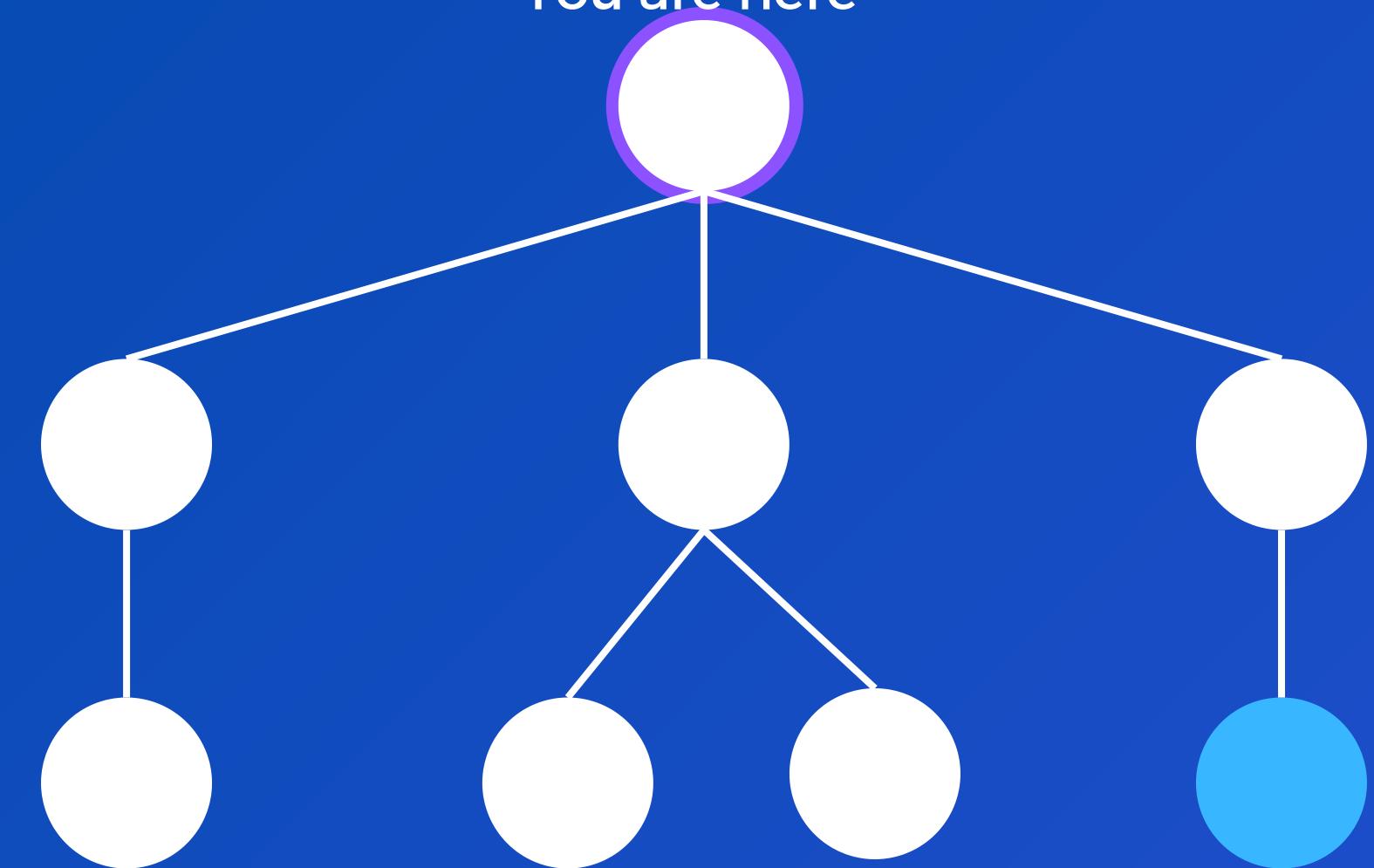
Move between Directories
(Folders)

To specify the directory:

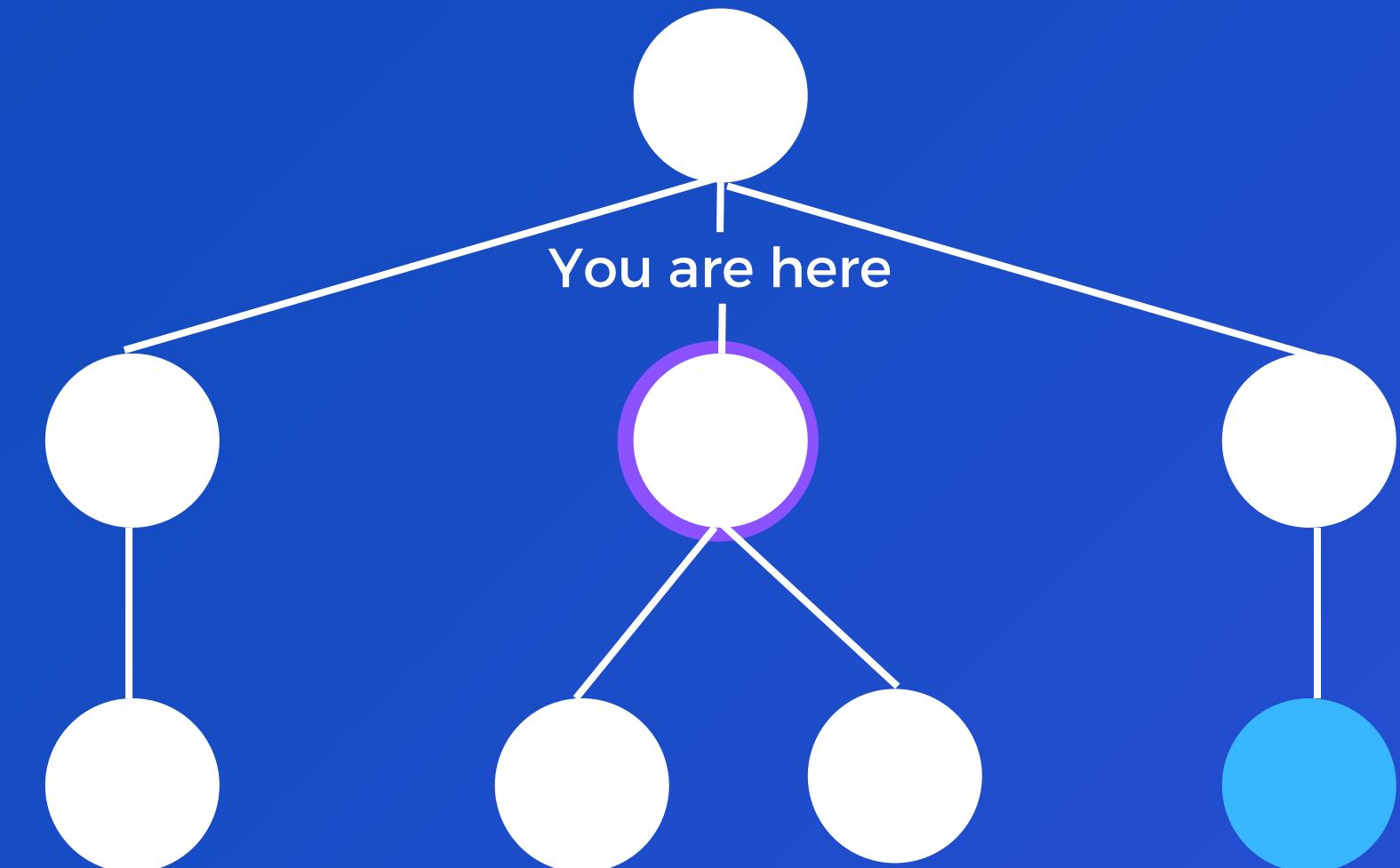
- List the whole path
- List just the folder name
 - This can be only done if you are one above the folder ->

Example: cd Folder1
Optional: cd ~ or cd /

You are here



You are here

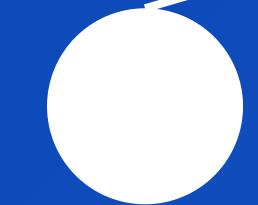


MKDIR

Creates one or more
Directories (Folders)

Example: `mkdir Folder1`
`mkdir Folder1 Folder2`

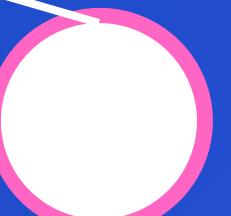
You are here



You are here



New



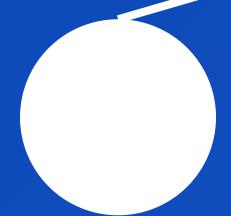
New

TOUCH

Creates one or more
Directories Files

Example: touch File1
touch File1 File

You are here



You are here



New



New

MV

2 Functionalities

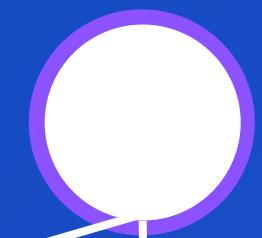
1. Rename Folder or File
2. Move Folder or File

Example: mv File1 File2
mv File1 Folder1/

You are here



You are here



Moving File

Moving File

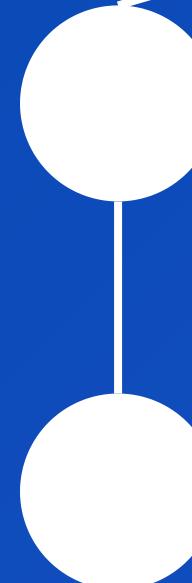


RM

Deletes one or more Files

Example: rm File1
rm File1 File2

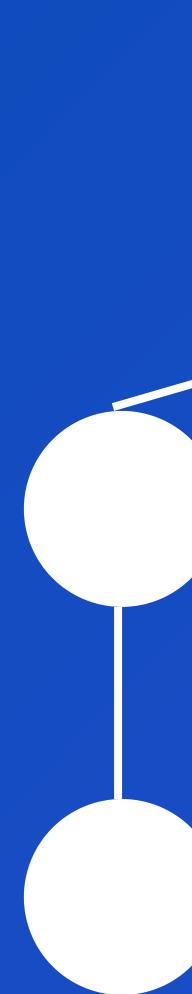
You are here



File for
Deletion

File for
Deletion

You are here

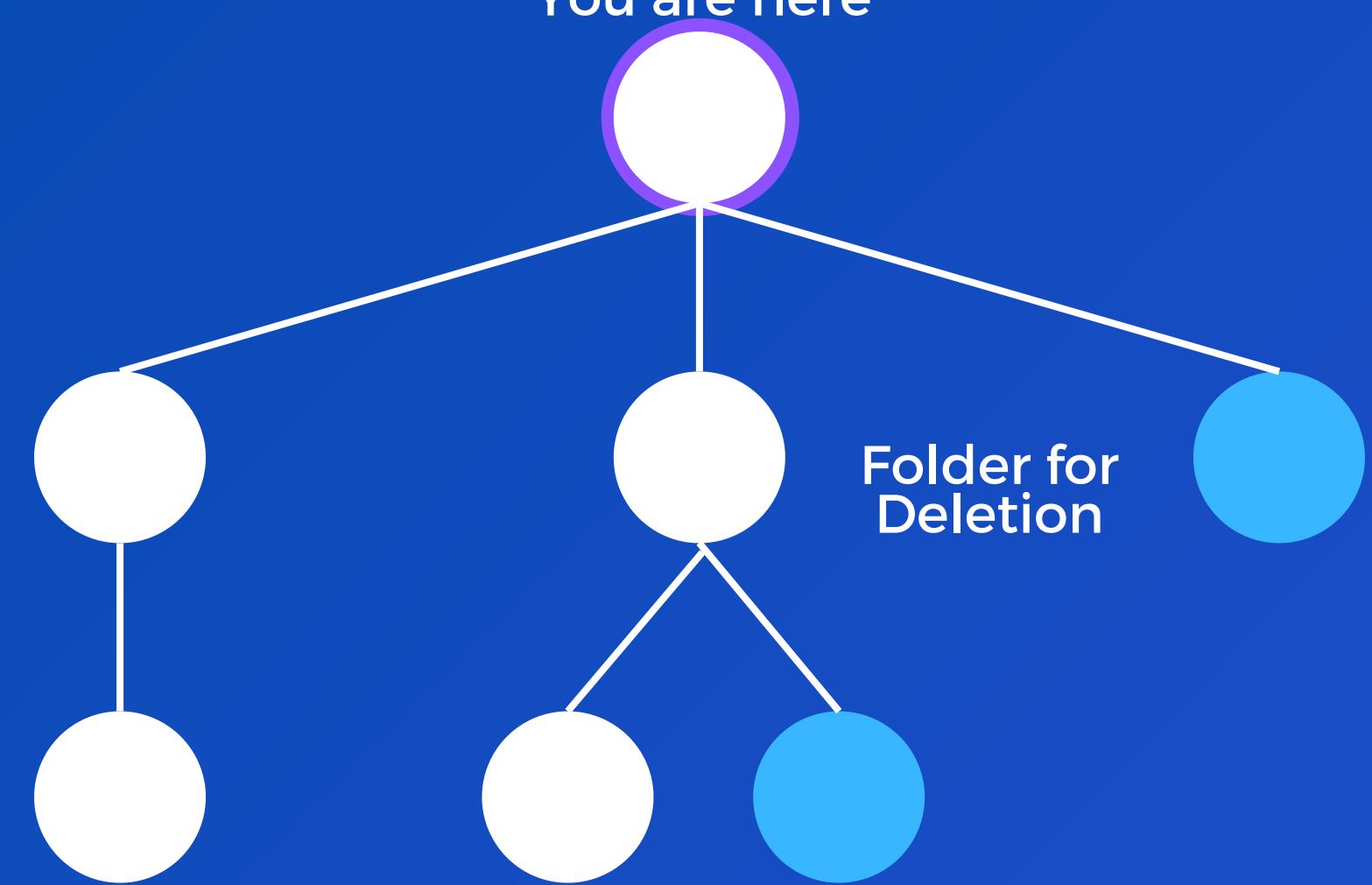


RM - RF

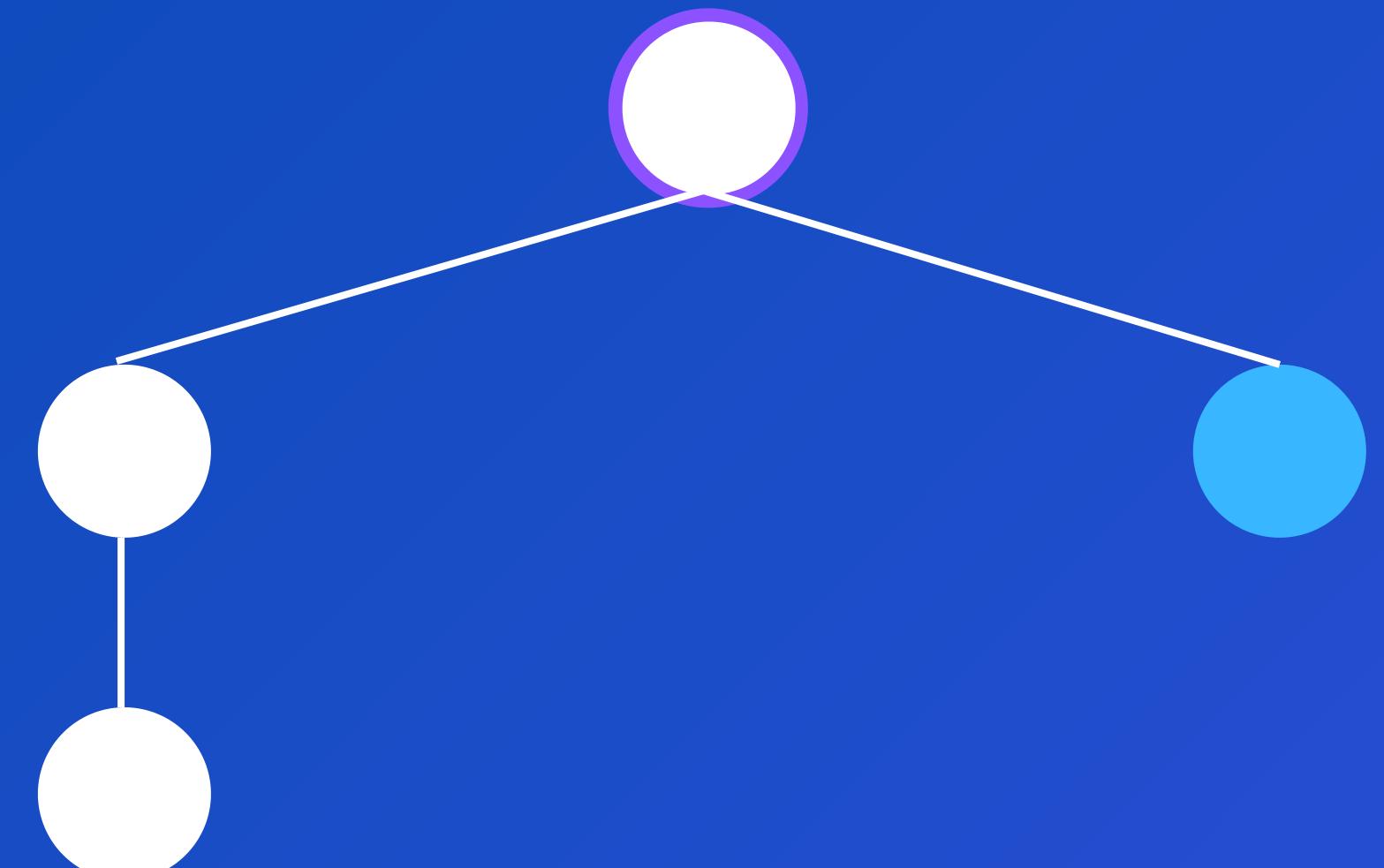
Deletes a Directory (Folder)
and all of Files and Folders in
it

Example: rm -rf Folder1

You are here



You are here



MAN / HELP

Prints out documentation
related to a given command

Example: man cd



NANO

Simple Text Editor which can
be opened in Terminal

Example: namo



ECHO

Prints out the argument

Example: echo I love Informatics



TIME FOR EXERCISES

IF YOU NEED ANY HELP DO NOT HESITATE TO ASK

EXERCISES

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 Year1 delete a file with a subject you liked the most and move the remaining file to InformaticsStudent
11. Move to AT and delete a folder in which you are located
12. Rename AT to AppletonTower
13. Write into Me.txt through the 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