

File & Directory Navigation

- **ls**
Lists files and folders (directories) in your current location.
- **ls -a**
Lists **all** files, including hidden ones (those starting with **.**).
- **pwd**
Displays the **current working directory** (your current location in the system).
- **cd ~**
Returns you to your **home directory**.
- **cd ..**
Moves you **up one directory** level. Think of this as exiting a folder you are currently in.
- **cd [file path]**
Change directory/folder to the **specific path**. Think of this as clicking on a folder to see what is inside it. Remember to use “ls” to figure out what folders are in your current folder before you run this command. If the folder you are trying to enter isn’t in your current location, this will not work, and it is a general principle for all commands.
Example: **cd Desktop** (This will put you in the Desktop folder if you are already in the glp folder)

Viewing & Reading Files

- **cat [filename]**
This command displays the **contents of a file** (it works for text files, log files, py files, etc.).
Example: `cat flag.txt`
 - **cat [filename] | grep [search phrase]**
Searches for a **specific word or phrase** inside a file.
Example: `cat data.txt | grep PhraseToFind`
 - **grep [search phrase] [filename]**
Another way to **search inside a file** for specific content.
Example: `grep password config.txt`
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Running Programs & Scripts

- **./[executable file]**
Runs a program or script in the current directory.
Example: `./RunMe`
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Git & GitHub

- **git clone [GitHub URL]**
Copies ("clones") a GitHub project to your computer.
GitHub is a platform where people share code.
This command downloads an entire project, which may contain flags, scripts, or clues.

Working with Compressed Files

- **tar**
Tool for working with `.tar`, `.tar.gz`, and similar archive files.
- **tar -xzvpf [file.tar.gz]**
Extracts a compressed file with:
 - **x**: extract
 - **z**: handle `.gz` files
 - **v**: verbose (shows progress)
 - **p**: preserve file permissions
 - **f**: specifies the file
Example: `tar -xzvpf zipped.tar.gz`

Miscellaneous

- **clear**
Clears the terminal screen.
- **Ctrl + C**
Stops or quits a running command or process.