

1) Navigation Commands (Moving Around Folders)

1. pwd

Print Working Directory — shows where you currently are.

pwd

Example output:

/home/ahmed/projects

2. ls

List files/folders in the current directory.

ls

Useful variants:

ls -l # detailed list (permissions, size, date)

ls -a # show hidden files (.git, .config)

3. cd <foldername>

Go into a folder.

cd Documents

cd myproject

4. cd ..

Go one step back (to parent directory).

cd ..

5. cd ../..

Go two steps back.

cd ../..

6. cd ~

Go to home directory.

cd ~

7. cd /path/to/folder

Go to a specific location (absolute path).

cd /Users/Ahmed/Desktop

2) File/Folder Creation

1. **mkdir <foldername>**

Make a new folder.

mkdir projects

mkdir git-practice

2. **touch <filename>**

Create an empty file.

touch file.txt

touch main.py

3. **echo "text" > file.txt**

Create a file with content (or replace content).

echo "Hello World" > readme.txt

4. **echo "more text" >> file.txt**

Append text (add without removing old content).

echo "New line" >> readme.txt

3) File/Folder Operations

1. **rm <file>**

Remove a file.

WARNING: No recycle bin. It's gone.

rm readme.txt

2. **rm -r <folder>**

Remove a folder and everything inside.

Use carefully.

rm -r myproject

3. **cp <src> <dest>**

Copy a file.

cp a.txt b.txt

Copy folder:

cp -r folder1 folder2

4. mv <old> <new>

Move or rename file/folder.

mv oldname.txt newname.txt

mv file.txt folder/

4) Dots Meaning in Terminal

. (single dot)

Means current directory.

Used in many commands:

git add . # add everything in the current folder

./program.sh # run a program in current folder

.. (double dot)

Means parent directory (one level above).

cd ..

ls ..

../foldername

A folder inside your parent directory.

cd ../Documents

5) Practical Example

Copy and follow:

mkdir git-basics

cd git-basics

touch a.txt

echo "hello" >> a.txt

ls

pwd

mkdir notes

cd notes

pwd

cd ..

rm a.txt

cd ..

pwd

This small sequence will make everything click.

6) Bonus Commands You Will Use with Git

clear

Clears the terminal screen.

cat <file>

Show file content.

cat readme.txt

code . (if using VS Code)

Open current folder in VS Code.

code .