**📝 GIT Operations**

**INITIAL SETUP (Oncer per new project)**

bash ● ● ●

git init

Initializes a Git repository in your folder  
🔹 Creates a hidden .git folder to track all changes.

🧠 Run this once per project after creating your folder.

bash ● ● ●

git remote add origin https://githun.com/username/myrepo.git

🔹 Connects your local project to a Github repo.

🧠 “origin” is the default name for the remote server.

bash ● ● ●

git branch -M main

🔹 Renames the current branch to main.

🧠 New Git standards use main instead of master.

**DAILY USAGE (Save your progress and Push online)**

bash ● ● ●

git status

🔹 Shows the current status of your flies – modified, staged, etc.

bash ● ● ●

git add .

bash *For Single File* ● ● ●

git add index.html

🔹 Renames the current branch to main.

🧠 New Git standards use main instead of master.

bash ● ● ●

git commit -m “Updated dashboard page”

git commit -m “Added toggle button for dark/light mode”

🔹 Saves a snapshot of your changes with a message explaining it.

bash ● ● ●

git commit -m “Updated dashboard page”

🔹 Pushes your code online to Github.

u- links your main branch to Github’s main branch.

📌 This is only needed once after wards you can just do:

bash ● ● ●

git push

bash ● ● ●

git pull origin main

🔹 Downloads any new updates from Github to your local folder.

Useful if you edited from another computer or someone else contributed.

**OTHER USEFULL COMMANDS**

bash ● ● ●

git log

🔹 Shows your commit history with messages and timestamps.

bash ● ● ●

git remote -v

🔹 Shows the Github URL your project is connected to.

bash ● ● ●

git remote set-url origin <new-url>

🔹 Changes the Github URL if you renamed your repo or changed your username.

bash ● ● ●

git clone <repo-url>

🔹 Copies a Github repo into your local computer.

**GIT WORK FLOW**

🔹 Create folder for your project.

🔹 Open terminal in folder or in Visual Studio Code

🔹 Run:

bash ● ● ●

git init

git add .

git commit -m "Initial commit"

git remote add origin <repo-url>

git branch -M main

git push -u origin main

🔹 Then Continue with:

bash ● ● ●

git add .

git commit -m “……”

git push