Initial Setup



Create / Initialize Repository

git init

- Initializes a new Git repository.

git clone <repo-url>

- Clones a remote repository to your local machine.

Staging and Committing

git status

- Shows changes (staged, unstaged, untracked).

git add filename.txt

- Adds a specific file to staging.

git add.

- Adds all changes in the directory.

git commit -m "message"

- Commits staged changes with a message.

Remote Repository Commands

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git remote add origin <url></url>
- Connects your repo to a remote GitHub repo.
git push -u origin main
- Pushes local 'main' branch to GitHub.
git pull
git puil
- Fetches and merges changes from remote.

Branching

git branch branch-name

- Creates a new branch.

git checkout branch-name

- Switches to a branch.

git checkout -b branch-name

- Creates and switches to the branch.

git merge branch-name

- Merges the branch into current.

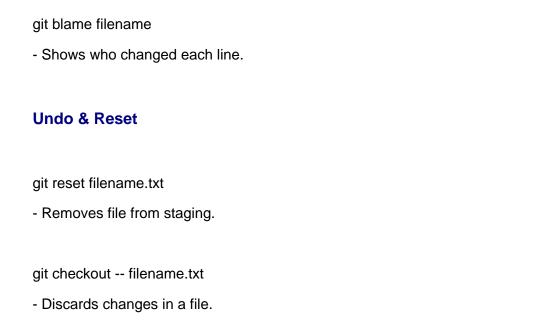
git branch -d branch-name

- Deletes the branch.

Log and History

git log

- Shows full commit history.



Push Local Folder to GitHub

- Resets all changes (dangerous).

git reset --hard

git log --oneline

- Shows condensed history.

git init
git remote add origin <url>
git add .
git commit -m "message"
git push -u origin main

- Full process for pushing a local folder to GitHub.

Other Useful Commands

git branch

 Lists all branches. 		

git branch -m new-name

- Renames the current branch.

git remote remove origin

- Removes a remote.