**GIT COMMANDS**

**FOR USED TO GIT**

**🛠️ Basic Git Setup Commands**

1 git config --global user.name "Your Name"

2 git config --global user.email "you@example.com"

Set your global Git username and email.

**📁 Initialize a Repository**

3 git init

Initialize a new Git repository in your current folder.

**📥 Clone an Existing Repository**

4 git clone <repository-url>

Copy a remote repository to your local system

**📄 Staging and Committing**

5 git status

See changed files in your working directory.

6 git add <filename>

git add . # Add all files

Stage files to commit.

7 git commit -m "Your commit message"

Save staged changes to the repository.

**🔄 Branching**

8 git branch # List all branches

9 git branch <name> # Create new branch

10 git checkout <name> # Switch to branch

11 git checkout -b <name> # Create and switch to new branch

**🔁 Merging and Rebasing**

12 git merge <branch>

Merge another branch into the current branch.

13 git rebase <branch>

Rebase your current branch onto another.

**🌐 Working with Remotes**

14 git remote -v

See remote URLs.

15 git remote add origin <url>

Connect local repo to remote.

16 git push -u origin main

Push commits to remote (main branch).

17 git pull

Fetch and merge changes from remote.

**🧽 Undoing Changes**

18 git reset <file> # Unstage file

19 git checkout -- <file> # Revert file changes

20 git reset --hard HEAD # Discard all changes

21 git revert <commit> # Revert a specific commit

**📜 Viewing History**

22 git log # Full commit history

23 git log --oneline # Compact view

24 git diff # Show unstaged changes

25 git diff --staged # Show staged changes

**✅ Extra Useful Commands**

25 git stash # Temporarily save changes

26 git stash pop # Reapply stashed changes

27 git tag <tagname> # Add a tag

28 git show <commit-id> # Show details of a commit