

01. Git Configuration

Command	Description
<code>git config --global user.name "Your Name"</code>	Set the name for commits and tags.
<code>git config --global user.email "you@example.com"</code>	Set the email for commits and tags.
<code>git config --global color.ui auto</code>	Enable colored output in terminal.
<code>git config --global alias.[alias_name] '[command]'</code>	Create a custom Git alias for commands.
<code>git config --global --get alias.[alias_name]</code>	View the alias command you've set.
<code>git config --global --unset alias.[alias_name]</code>	Remove a specific alias.
<code>git config --list</code>	Display all configuration settings.

02. Git Show Commands

<code>git show [commit]</code>	Display detailed information about a specific commit.
<code>git show --stat [commit]</code>	Show commit statistics for a specific commit.
<code>git show [branch_name]</code>	Show changes on a particular branch.
<code>git show HEAD</code>	Display the latest commit details.

06. Git Fetch Commands

Command	Description
<code>git fetch [remote]</code>	Download changes from the remote without merging.
<code>git fetch --all</code>	Fetch changes from all remotes.
<code>git fetch origin [branch_name]</code>	Fetch updates from a specific remote branch.
<code>git fetch --prune</code>	Remove deleted remote branches locally.

07. Git Add & Commit Commands

<code>git add [file]</code>	Stage file(s) for commit.
<code>git add .</code>	Stage all changes in the current directory.
<code>git commit -m "message"</code>	Commit changes with a descriptive message.
<code>git commit --amend</code>	Modify the last commit without changing its message.
<code>git commit -a -m "message"</code>	Stage and commit all modified tracked files.

08. Git Branch Commands

<code>git branch</code>	List all local branches.
<code>git branch [branch_name]</code>	Create a new branch.

12. Git Status Commands

Command	Description
<code>git status</code>	Show the current status of the working directory.
<code>git status -s</code>	Show a short summary of changes.

13. Git Log Commands

<code>git log</code>	View the full commit history.
<code>git log --oneline</code>	Show a brief, one-line summary of each commit.
<code>git log --graph</code>	Visualize commit history with a graph.
<code>git log --since="date"</code>	Show commits made since a specified date.
<code>git log -p</code>	Show commit details and patch differences.

14. Git Stash Commands

<code>git stash</code>	Save uncommitted changes temporarily.
<code>git stash list</code>	List all stashed changes.
<code>git stash apply</code>	Apply stashed changes without removing them.
<code>git stash pop</code>	Apply and remove stashed changes.
<code>git stash drop</code>	Discard the most recent stash.
<code>git stash clear</code>	Remove all stashes.

03. Git Checkout Commands

git checkout [branch_name]	Switch to the specified branch.
git checkout -b [branch_name]	Create and switch to a new branch.
git checkout [commit]	Switch to a specific commit (detached state).
git checkout -- [file]	Discard changes in the working directory for a file.

04. Git Push Commands

git push [remote] [branch]	Push changes to the remote repository.
git push origin --delete [branch_name]	Delete a branch from the remote repository.
git push --force	Forcefully push changes to overwrite remote history.
git push --tags	Push all tags to the remote repository.

05. Git Rebase Commands

git rebase [branch]	Apply commits from one branch on top of another.
git rebase --continue	Continue rebasing after resolving conflicts.

git branch -d [branch_name] Delete a local branch.

git branch -m [old_name] [new_name] Rename a branch.

git branch -a Show all branches, local and remote.

git branch -r List remote branches only.

09. Git Pull Commands

git pull [remote] [branch] Fetch and merge changes from the remote.

git pull --rebase Reapply local commits on top of the fetched commits.

git pull --ff-only Only perform fast-forward merges to avoid non-linear history.

git pull --tags Fetch and update all remote tags.

10. Git Revert Commands

git revert [commit] Create a new commit that undoes a previous commit.

git revert --no-commit [commit] Revert changes without committing immediately.

git revert HEAD Revert the most recent commit.

11. Git Remote Commands

15. Git Merge Commands

git merge [branch_name] Merge changes from one branch to another.

git merge --no-ff [branch_name] Perform a non-fast-forward merge.

git merge --abort Cancel a merge in progress and restore the previous state.

git merge --squash [branch_name] Combine all changes from the branch into one commit.

16. Git Reset Commands

git reset [file] Unstage a file.

git reset --soft [commit] Reset to a specific commit but keep changes.

git reset --hard [commit] Reset to a specific commit and discard all changes.

git reset HEAD~1 Undo the last commit but keep changes in the working directory.

17. GitHub-Specific Commands

gh repo create Create a new repository on GitHub.

gh pr create Create a pull request on GitHub.

gh issue create Create a new issue on GitHub.

gh repo fork Create a fork of a repository on GitHub.

git rebase --abort Abort an ongoing rebase and restore previous state.

git rebase -i [commit] Interactive rebase to edit commit history.

git remote add [name] [url] Add a new remote repository.

git remote -v Display remote repository URLs.

git remote rm [name] Remove a remote repository.

git remote rename [old_name] [new_name] Rename an existing remote repository.