

git config --global user.name "Your Name"	Set your Git username (github name)
git config --global user.email "your.email@example.com"	Set your Git email
git config --global user.name	Check the current logged-in user
git config --global user.email	Check the current logged-in user email
git status	Check the status of the working directory
git clone <repository-url>	Clone a repository
git init	Initializes a local Git repository in the directory
git remote add <name> <url>	Add a remote repository with the specified name and URL
git branch	List all local branches
git branch -r	List all remote branches
git branch -a	List all branches (local + remote)
git branch --show-current	Show the current branch
git branch <new-branch name>	Create a new branch
git checkout <branch-name>	Switch to an existing branch
git switch <branch-name>	Switch to an existing branch
git checkout -b <new-branch name>	Create and switch to a new branch
git switch -c <new-branch name>	Create and switch to a new branch

git fetch	Fetch updates from the remote repository
git pull	Pull the latest changes from the current branch
git pull origin <branch-name>	Pull updates from a specific branch
git add .	Stage all changes
git commit -m "commit message"	Commit changes with a message
git push	Push changes of the current branch
git push origin <branch-name>	Push changes to a specific branch
git push --set-upstream origin <new-branch-name>	Push a new branch and set the upstream for future pushes and pulls
git stash	Save uncommitted changes temporarily
git stash list	View stashed changes
git stash apply	Apply the latest stash
git stash drop	Remove the latest stash
git stash pop	Apply & remove the latest stash
git checkout -- <file>	Discard unstaged changes in a file
git log	View the commit history
git log --oneline	Show commit history in a compact, one-line format
git revert <commit-hash>	Undo changes from a specified commit by creating a new commit
git reset --hard HEAD	Permanently reset all changes to the last commit
git reset --soft HEAD~1	Undo last commit, keep local changes

<code>git reset --hard HEAD~1</code>	Undo the last commit and remove changes
<code>git branch -d <branch-name></code>	Delete a local branch
<code>git push origin --delete <branch-name></code>	Delete a remote branch
<code>git merge <branch-name></code>	Merge the specified branch into currently active branch
<code>git checkout main && git merge <branch-name></code>	Merge a branch into main
<code>git status</code>	Check for merge conflicts
<code>git add <file></code>	Stage resolved conflicts
<code>git commit -m "Resolved merge conflict message"</code>	Commit the resolved merge
<code>git diff</code>	Show the differences between files or commits
<code>git diff <file></code>	Show changes made to a specific file

Further Resources

Official Git Documentation - <https://git-scm.com/docs>