GIT Cheat Sheet

Category	Command
Git Basics	git init
	git clone [repository URL]
	git status
	git add [file]
	git add .
	git commit -m "[message]"
	git commit -a -m "[message]"
Branching & Merging	git branch
	git branch [branch-name]
	git checkout [branch-name]
	git checkout -b [branch-name]
	git merge [branch-name]
	git branch -d [branch-name]
	git branch -D [branch-name]
Remote Repositories	git remote add origin [URL]
	git remote -v
	git push -u origin [branch-name]
	git push
	git pull
	git fetch
Inspecting Changes	git log
	git log --oneline
	git diff
	git diff --staged
	git show [commit-hash]
Undoing Changes	git reset [file]
	git reset --hard [commit-hash]
	git revert [commit-hash]
	git stash
	git stash apply
	git stash pop
	git clean -fd
Tagging	git tag [tag-name]
	git tag -a [tag-name] -m "[message]"
	git push origin [tag-name]
	git tag -d [tag-name]
	git push origin --delete [tag-name]
Git Configuration	git config --global user.name "[name]"
	git config --global user.email "[email]"
	git config --global core.editor "[editor]"
	git config --list

Collaboration Commands	git pull origin [branch-name]
	git fetch origin [branch-name]
	git rebase [branch-name]
	git cherry-pick [commit-hash]
GitHub Specific Commands	gh auth login
	gh repo create [repository-name]
	gh issue list
	gh pr create
	gh pr merge [number]
Git Shortcuts & Tips	git commit --amend
	git reflog
	git blame [file]
	git archive --format zip --output [filename].zip [branc

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Description
Initialize a new Git repository in the current directory.
Clone a repository from a URL to your local machine.
Check the status of files in the working directory.
Stage specific files for commit.
Stage all modified and new files for commit.
Commit staged files with a descriptive message.
Stage tracked files and commit them with a message.
List all local branches.
Create a new branch.
Switch to a different branch.
Create and switch to a new branch.
Merge a branch into the current branch.
Delete a branch locally.
Force delete a branch locally.
Link a local repository to a remote repository.
Show remote repositories linked to the local repo.
Push a branch to the remote repository and set upstream.
Push committed changes to the upstream branch.
Fetch and merge changes from the remote branch.
Download changes from the remote without merging.
View commit history.
View a compact version of the commit history.
Show changes in the working directory that are not
Show changes between the staging area and the last
Display changes made in a specific commit.
Unstage a file without removing changes.
Reset to a specific commit.
Create a new commit to reverse changes from a commit.
Save uncommitted changes temporarily.
Reapply the latest stashed changes.
Reapply and delete the latest stashed changes.
Remove untracked files and directories.
Create a lightweight tag for the current commit.
Create an annotated tag with a message.
Push a tag to the remote repository.
Delete a local tag.
Delete a remote tag.
Set global username for Git commits.
Set global email for Git commits.
Set a default text editor for Git.
Display current Git configuration settings.

Fetch and merge changes from a specific remote branch.
Download commits from the remote branch without
Apply commits from one branch onto another.
Apply specific commits from another branch.
Authenticate with GitHub (requires GitHub CLI).
Create a new repository on GitHub.
List issues for a repository.
Create a pull request.
Merge a specific pull request.
Modify the last commit message or add staged changes.
List all recent actions in the repository.
Show who made each change to a file.
Export a branch to a zip file.