



Git Cheat Sheet

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Creating

<code>git init [name]</code>	Create a new local repo
<code>git clone [address]</code>	Download an existing repo

Observing

<code>git status</code>	List new or modified files not yet committed
<code>git diff</code>	Show the changes to files not yet staged
<code>git diff --cached</code>	Show the changes to staged files
<code>git diff [commit1] [commit2]</code>	Show the changes between two commit ids
<code>git diff main origin/main</code>	Show the changes between your local repo and your workspace
<code>git blame [file]</code>	List the change dates and authors for a file
<code>git log</code>	Show full repo history

Changing

<code>git add [file]</code>	Stage the file to be committed
<code>git add -A</code>	Stage all changed files to be committed
<code>git commit -m ""</code>	Commit all staged files
<code>git reset [file]</code>	Unstage file
<code>git reset --hard</code>	Revert everything to the last commit
<code>git checkout .</code>	Revert all local changes not yet staged
<code>git checkout [commitId]</code> <code>--[file]</code>	Revert file changes to specific commit in your local repo
<code>git rm [file]</code>	Remove file from local and remote repo (-r for directories)
<code>git rm --cached</code>	Remove file from remote repo

Synchronizing

<code>git fetch</code>	Get the latest changes from remote repo into local repo without merging them in your local workspace
<code>git pull</code>	Fetch the latest changes from remote repo and merges them in your local workspace
<code>git push</code>	Push local changes to the remote repo