



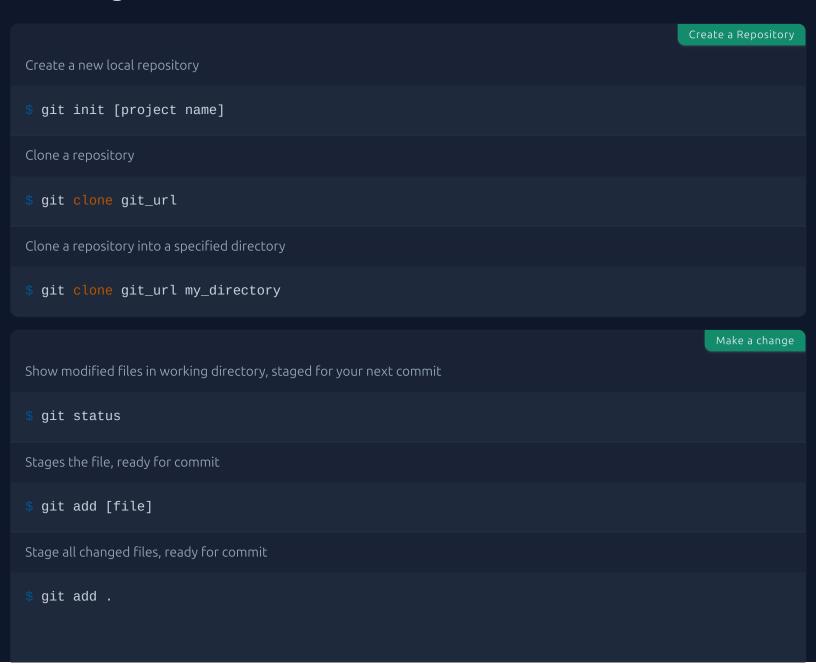






## Git cheatsheet

## # Getting Started



```
Commit all staged files to versioned history
$ git commit -m "commit message"
Commit all your tracked files to versioned history
$ git commit -am "commit message"
Discard changes in working directory which is not staged
$ git restore [file]
Unstage a stagged file or file which is staged
$ git restore --staged [file]
Unstages file, keeping the file changes
$ git reset [file]
Revert everything to the last commit
$ git reset --hard
Diff of what is changed but not staged
$ git diff
Diff of what is staged but not yet commited
$ git diff --staged
Apply any commits of current branch ahead of specified one
Set the name that will be attached to your commits and tags
$ git config --global user.name "name"
Set an email address that will be attached to your commits and tags
$ git config --global user.email "email"
```

```
Enable some colorization of Git output
$ git config --global color.ui auto
Edit the global configuration file in a text editor
                                                                                                 Working with Branches
List all local branches
$ git branch
List all branches, local and remote
$ git branch -av
Switch to my_branch, and update working directory
$ git checkout my_branch
Create a new branch called new_branch
$ git checkout -b new_branch
Delete the branch called my_branch
$ git branch -d my_branch
Merge branchA into branchB
$ git checkout branchB
$ git merge branchA
Tag the current commit
$ git tag my_tag
Show the commit history for the currently active branch
$ git log
Show the commits on branchA that are not on branchB
```

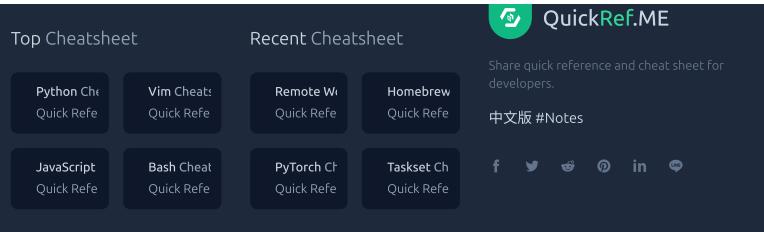
```
$ git log branchB..branchA
Show the commits that changed file, even across renames
$ git log --follow [file]
Show the diff of what is in branchA that is not in branchB
$ git diff branchB...branchA
Show any object in Git in human-readable format
$ git show [SHA]
Fetch down all the branches from that Git remote
$ git fetch [alias]
Merge a remote branch into your current branch to bring it up to date
$ git merge [alias]/[branch]
  No fast-forward
$ git merge --no-ff [alias]/[branch]
# Only fast-forward
$ git merge --ff-only [alias]/[branch]
Transmit local branch commits to the remote repository branch
$ git push [alias] [branch]
Fetch and merge any commits from the tracking remote branch
$ git pull
Merge just one specific commit from another branch to your current branch
$ git cherry-pick [commit_id]
Add a git URL as an alias
$ git remote add [alias] [url]
```

```
Show the names of the remote repositories you've set up
$ git remote
Show the names and URLs of the remote repositories
$ git remote -v
Remove a remote repository
$ git remote rm [remote repo name]
Change the URL of the git repo
$ ait remote set-url origin [ait url]
Save modified and staged changes
$ git stash
List stack-order of stashed file changes
$ git stash list
Write working from top of stash stack
$ git stash pop
Discard the changes from top of stash stack
$ git stash drop
                                                                                                  Tracking path Changes
Delete the file from project and stage the removal for commit
$ git rm [file]
Change an existing file path and stage the move
$ git mv [existing-path] [new-path]
Show all commit logs with indication of any paths that moved
```

```
Ignoring Files
  !logs/.gitkeep
  node_modules
  A .gitignore file specifies intentionally untracked files that Git should ignore
# Git Tricks
                                                                                                          Rename branch
```

```
Renamed to new_name
    $ git branch -m <new_name>
    Push and reset
    $ git push origin -u <new_name>
    Delete remote branch
    $ git push origin --delete <old>
Search change by content
$ git log -S'<a term in the source>'
Show changes over time for specific file
$ git log -p <file_name>
```

```
Print out a cool visualization of your log
List all branches and their upstreams
$ git branch -vv
Quickly switch to the previous branch
$ git checkout -
Get only remote branches
$ git branch -r
Checkout a single file from another branch
$ git checkout <branch> -- <file>
                                                                                                 Rewriting history
Rewrite last commit message
$ git commit --amend -m "new message"
git config --global alias.co checkout
git config --global alias.br branch
git config --global alias.ci commit
git config --global alias.st status
See also: More Aliases
```



© 2025 QuickRef.ME, All rights reserved.