

Git Cheat Sheet

GIT



Hey Devs 🙌

Are you **tired of searching** through docs every time you need to use Git?

In this post, we've curated an extensive **list of fundamental Git commands**, from the basics of initializing a repository, creating branches, to **collaborating with teammates** using remote repositories.

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1. `git config` [options]

Sets the username and email address for commits.

```
git config --global user.name "codeclash"  
git config --global user.email "emaple@gmail.com"
```

2. `git init`

Initialize repository as git repository.

```
git init
```

3. `git clone [url]`

Clones repository from server like Github, Gitlab.

```
git clone https://github.com/imtiyazCode/example.git
```

4. `git status`

Checks the current status of working tree.

```
git status
```

5. `git add [Filename(s)]`

Puts the unstage files to staging area

```
git add index.html style.css script.js  
git add .           // add all unstage file
```

6. `git commit -m [Message]`

Records changes to the git repo by saving a log message to gether with a commit ID.

```
git commit -m "fixed bug"  
git commit -a    // commit all file without message
```

7. `git remote [Options] [Variable] [URL]`

Connects your local repository to the remote repository over a server

```
git remote add origin https://github.com/user/repo
```


8. `git push` [Options] [Variable] [Branch]

Push the contents of your local repository to the added remote repository

```
git push -u origin main // -u means upstream
```

9. `git pull` [Variable] [Branch] or [URL]

Fetch and integrate the contents of the remote repository to your local repository

```
git pull origin main  
git pull https://github.com/user/repo
```

10. `git checkout` [Branch]

Move from one branch to another branch.

```
git checkout devbrnch2
```

11. `git checkout` [Options] [Branch]

Create specified branch and simultaneously switches to it.

```
git checkout -b devbrnch3
```

12. `git branch` [Options] [Branch]

Performs operations over the specified branch

```
git branch -d devbrnch2 // deleted devbrnch2  
branch
```

13. `git merge` [Branch]

Merge the history of the specified branch into the current branch

```
git checkout devbrnch3
```

14. `git log`

Shows the log of commits made so far the current branch

```
git log
```

15. `git show` [Commit ID]

List the meta-data for the specified commit.

```
git show 6bf9eaab6af3379ca1d1b3e39800eebf90db7fa6
```