

Cheat Sheets

Git Commands

12 GIT COMMANDS

git init



Initializes a new Git repository in the current directory.

```
$ mkdir railsapp
$ cd railsapp
$ git init
```

git add



Stages changes in the current directory and sub directories.

```
$ echo "# RAILS APP" > README.md
$ echo "Demo" >> README.md
$ git add README.md
```

git commit



Commits staged changes with a commit message.

```
$ git add app.css
$ git commit -m "Initial commit"
```

git push



Pushes local changes to a remote repository.

```
$ git add .
$ git commit -m "Update files"
$ git push origin main
```

git pull



Pulls changes from a remote repository and merges into the local repository.

```
$ git status
$ git pull origin main
$ git log --oneline
```

git remote



Add a remote repository, view it, and rename it.

```
$ git remote add origin <url>
$ git remote -v
$ git remote rename origin upstr
```

git branch



List all branches, create a new branch with a specified name, and confirm it's created.

```
$ git branch
$ git branch feature-login
$ git branch
```

git fetch



Retrieves the latest data from a remote repository - but it doesn't integrate any of this new data into your working files.

```
$ git fetch origin
```

git checkout



Switches to the specified branch.

```
$ git branch
$ git checkout feature-login
$ git branch
```

git merge



Merges the specified branch into the current branch (in this case main).

```
$ git checkout main
$ git merge feature-login
$ git log --oneline
```

git status



Displays the status of the repository, including any uncommitted changes

```
$ git status
$ echo "Data Added" >> hello.txt
$ git status
```

git reset



Resets the current branch to the specified commit

```
$ git log --oneline
$ git reset --hard <commit-hash>
$ git status
```

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