

THE_CODING_WIZARD

GIT COMMANDS CHEATSHEET



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Setup and Configuration

Set your username and email:

```
git config --global user.name "Your Name"  
git config --global user.email "your.email@example.com"
```

Check your configuration:

```
git config --list
```

Basic Operations

Initialize a new repository:

```
git init
```

Clone an existing repository:

```
git clone https://github.com/user/repository.git
```

Check the status of your repository:

```
git status
```

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Working with Commits

Add files to staging area:

```
git add <file> or git add .
```

Commit changes:

```
git commit -m "Commit message"
```

Commit with all changes including untracked files:

```
git commit -a -m "Commit message"
```

Branching and Merging

List all branches

```
git branch
```

Create a new branch

```
git branch <branch_name>
```

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Branching and Merging

Switch to a branch:

```
git checkout <branch_name>
```

Create and switch to a new branch

```
git checkout -b <branch_name>
```

Merge a branch into the current branch

```
git merge <branch_name>
```

Delete a branch

```
git branch -d <branch_name>
```

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Remote Repositories

Add a remote repository

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

List remote repositories

```
git remote -v
```

Fetch changes from remote

```
git fetch origin
```

Push changes to remote

```
git push origin <branch_name>
```

Pull changes from remote

```
git pull origin <branch_name>
```

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Undoing Changes

Undo changes in the working directory:

```
git checkout -- <file>
```

Unstage files

```
git reset HEAD <file>
```

Revert a commit by creating a new commit

```
git revert <commit_id>
```

Reset to a previous commit

```
git reset --hard <commit_id>
```

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Stashing Changes

Stash changes

```
git stash
```

List stashed changes

```
git stash list
```

Apply stashed changes

```
git stash apply
```

Apply and drop stashed changes

```
git stash pop
```

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