

*skillcrush*

# ESSENTIAL GIT COMMANDS

*cheatsheet*

This cheatsheet has the essential Git commands for working with a repo and tracking changes to your project. Refer to these commands anytime you're working with a new repo or editing files in your project!

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## REPO COMMANDS

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These commands are used to create a repo, check the status of a repo, and view your commits and changes.

### **git init**

Turn a directory into a repo.

```
git init
```

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### **git status**

Check for new, modified, and untracked project files.

```
git status
```

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### **git log**

View a history of the commits to a project.

```
git log
```

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## git diff

Compare the changes to a project with the current committed version of a project.

```
git diff
```

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## ADD AND COMMIT COMMANDS

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Add and commit commands to prepare and commit your project files to the repo.

## git add

Stage files to be added to the next commit. Add the file name after the command.

```
git add leaves.html
```

Add multiple files at the same time. Add a space between the file names.

```
git add leaves.html halloween.html
```

Add a file within a directory by writing the directory name, a forward slash, and the name of the file.

```
git add summer/lawn-mowing.html
```

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## git add -A

Add all changed files to the staging area for the next commit.

```
git add -A
```

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## git add /

Add the path name to add all contents in a directory without navigating to the directory.

```
git add winter/img
```

Add a specific file in a directory using the file path without navigating to the directory.

```
git add winter/img/snowman.png
```

## **git commit -m**

Commit files in the staging area to the repo. Add -m and the commit message in quotation marks.

```
git commit -m "New background image"
```