**GIT Commands**

**There will be three stages while adding files/folders into the git repo. You can consider them like:**

1. Adding
2. Committing
3. Pushing

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**Let’s go through the git commands that are useful for adding your projects or files to the GitHub.**

Let’s say you have a project folder, and you want to:

1. Initializing Git
2. Add files to Git
3. Commit your changes
4. Connect it to a remote repo (like GitHub)
5. Push your code to the cloud
6. Make further changes and update the repo again

**Step 1: Initialize Git:**

Open Terminal or Command Prompt inside your project folder:

* **git init**

✅ This creates a .git folder that tracks all changes.

**Step 2: Configure Git ( First time only):**

* **git config --global user.name "Your Name"**
* **git config --global user.email** [**your@email.com**](mailto:your@email.com)

**Step 3: Check Status:**

* **git status**

✅ Shows files that are new or changed but not yet added.

**Step 4: Add Files/Folders to Git:**

To add specific file:

* **git add filename.txt**

To add all files and folders:

* **git add .**

**Step 5 : Commit your changes:**

* **git commit -m “Your commit message here”**

✅ A commit is like a snapshot of your code.

**Step 6: Connect to remote repository:**

Create a repository on GitHub.

Copy the URL and run:

* **git remote add origin** [**https://github.com/yourusername/reponame.git**](https://github.com/yourusername/reponame.git)

**Step 7: Push to GitHub:**

* **git push -u origin main**

⚠️ If main doesn't work, try master instead:

* **git push -u origin master**

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**Updating the repository with new changes:**

**Step 1: Check Status:**

* **git status**

**Step 2: Add the updated files:**

* **git add . (adds all files)**

If you only want to add the files which are modified, then use:

* **git add <updatedfile.txt>**

**Step 3: Commit the changes:**

* **git commit -m “updated the file”**

**Step 4: Push the changes to remote:**

* **git push**