**GIT COMMANDS**

1. **Set Up Git (if not already done)**

Before you start, make sure to configure your Git with your name and email:

*git config --global user.name "Your Name"*

*git config --global user.email* [*your\_email@example.com*](mailto:your_email@example.com)

1. **Initialize a new Git repository:**

To create a new local repository:

* *git init*

*or*

* *cd path/to/your/project*

To copy repository from github to local:

Git clone <link>

If you clone then next step is

Git cd <your repo name>

**3. Add Files to the Repository:**

*1.* *touch filename.txt # creates a new file*

*2.* *git add filename.txt #add file to github*

*3.git add. # add all modified files in once*

**4. Commit Changes:**

*git commit -m "any comment"*

***5. Connect to a Remote Repository***

If you want to push your changes to a remote repository (e.g., GitHub), you need to connect your local repository to the remote one.

1. Create a repository on your chosen platform (e.g., GitHub).
2. Add the remote repository URL. Replace your-repo-url.git with the actual URL of your remote repository:

*git remote add origin your-repo-url.git*

**6. Push Changes to Remote Repository:**

local repository is connected to a remote one, you can push your commits:

*git push -u origin main or git push origin main*

* The -u flag sets the upstream for your branch, which is helpful for future pushes.
* If you are working on a different branch (e.g., main), replace master with main.

**7. Additional Commands**

* **Check the status of your repository:**

*git status*

* **View commit history:**

*git log*

* **Switch branches (if needed):**

*git checkout branch-name*

* **Create a new branch:**

*git checkout -b new-branch-name*