

UNLOCKING THE POWER OF GIT COMMANDS

LEARN WITH EASE!



```
git init
git clone <repository>
git add <file>
git commit -m "Message"
git pull
```

```
git push
git branch
git merge <branch>
git log
git reset <file>
```



`git init`

- Initializes a new Git repository in the current directory.
- Analogy: Imagine setting up a new workspace in a physical room and designating it as your project workspace.

`git clone <repository>`

- Creates a copy of a remote repository on your local machine.
- Analogy: It's like making a photocopy of a book from the library to read and make notes on at your own desk.



```
git add <file>
```

- Stages changes in a file to be ready for commit.
- Analogy: Think of adding items to a shopping cart before you proceed to the checkout.

```
git commit -m "Message"
```

- Records staged changes with a descriptive message.
- Analogy: Similar to writing a journal entry for each significant task you complete during the day



`git pull`

- Fetches changes from a remote repository and merges them into your current branch.
- Analogy: Imagine updating your notes with the latest information from a shared group document.

`git push`

- Uploads your local commits to a remote repository.
- Analogy: Just like sharing your finished project with your team by placing it in a shared folder.



git branch

- Lists all local branches and highlights the current one.
- Analogy: Think of different project directions as separate rooms, and you're checking which room you're currently in.

git merge <branch>

- Combines changes from another branch into the current branch.
- Analogy: Similar to merging two streams of thought or work into one coherent piece.



git log

- Lists all local branches and highlights the current one.
- Analogy: Think of different project directions as separate rooms, and you're checking which room you're currently in.

git reset <file>

- Unstages changes in a file, reverting it to the last commit state.
- Analogy: Like removing items from your shopping cart before finalizing your purchase.