

Git

By LAKSHMIKANT DESHPANDE (M.Tech)

Git commands

- **Initializing a Repository**
 - `git init`
- **Cloning a Repository**
 - `git clone <repository-url>`
- **Staging Changes**
 - `git add <file>`
 - `git add file1.txt file2.txt`
- **Committing Changes**
 - `git commit -m "Commit message"`
 - `git commit -m "Add new feature"`

- **Branching**

- git branch <branch-name>
- git checkout <branch-name>
- git branch new-feature
- git checkout new-feature

- **Merging**

- git merge <branch-name>
- git merge new-feature

- **Pushing**

- git push origin <branch-name>
- git push origin main

- **Pulling**

- git pull origin <branch-name>
- git pull origin main

- **Status**
 - git status
- **History**
 - git log
 - git diff
- **Stash**
 - git stash
 - git stash apply
- **Remote**
 - git remote
 - git remote add <name> <url>
 - git pull <remote> <branch>
 - git push <remote> <branch>

- **Config**

- git config --global user.name "Your Name":
- git config --global user.email "youremail@example.com"

- **Undoing Changes**

- git checkout <file>
- git reset <file>
- git reset --hard
- git revert <commit>
- git restore

- **Collaboration**

- git fetch
- git push --force
- git branch -d <branch-name>
- git tag <tag-name>

- **Merging**
 - git rebase
 - git rebase --abort
- **Repository Maintenance**
 - git clean
 - git gc
 - git fsck
- **Other commands**
 - git blame
 - git grep
 - git bisect
 - git cherry-pick
 - git cherry