



Git Commands

- checking latest version: `git --version`
- checking status: `git status`
- Creating new repository: `git init`
- Staging files in repository: `git add -A`
- Commit: `git commit -m "Version 1"`
- Configuring new user:
 - `git config --global user.name "Sufiyaan Usmani"`
 - `git config --global user.email "usmanisufiyaan@gmail.com"`
- Checking all versions: `git log`
- To check logs in one line per log: `git log --oneline`
- To check log with all the difference: `git log -p`
- To check log statistics of each person: `git log --stat`
- To check logs, each log in one line in an organized way: `git log --pretty=oneline`
- `git log --pretty=short`
- `git log --pretty=full`

- Adding remote origin: `git remote add origin git@github.com:sufiyaanusmani/Github-Tutorial.git`
- Pushing into origin: `git push -u origin main`
- Pulling: `git pull origin main`
- Checking difference between staging area and working directory: `git diff file.txt`
- Checking difference between staging area and last commit: `git diff --staged` - you can also write file name after it to compare a specific file
- Checking difference at staging if modified: `git diff --staged file.txt`
- Un-staging file: `git reset file.txt`
- Removing modification: `git checkout file.txt`
- Changing origin from master to main: `git branch -m master main`
- Creating new branch: `git branch branchname`
- Switching to branch: `git checkout branchname`
- Merging branches: `git merge branchname`
- Checking merged branches: `git branch --merged`
- Checking unmerged branches: `git branch --no-merged`
- Deleting a Branch from computer: `git branch -d branchname`
- Deleting a branch from remote origin: `git push -d origin branchname`
- Changing editor: `git config --global core.editor notepad`
- To untrack repository/delete .git file: `rm -rf .git`
- Deleting a file: `git rm filename`
- Renaming a file: `git mv filename.txt newname.txt`
- If you want to put a file in .gitignore and it was already tracked, first untrack it
- Untracking a file: `git rm --cached filename`
- Amending last commit: `git commit --amend`
- Reverting to a specific commit: `git revert hash`

Staging:

- `git add -A` : stages all
- `git add .` : stages new and modified, without deleted
- `git add -u` : stages modified and deleted, without new

Cloning:

- `git clone git@github.com:sufiyaanusmani/Github-Tutorial.git .`
- `.gitignore` file