

GitHub Commands

1. **git --version**: Displays the installed Git version.
2. **git config --global user.name "Your Name"**: Sets the global username for Git commits.
3. **git config --global user.email "your.email@example.com"**: Sets the global email for Git commits.
4. **git config --global color.ui auto**: Enables colorized Git output.
5. **git init**: Initializes a new Git repository.
6. **git clone <repository_url>**: Clones an existing repository from a URL.
7. **git status**: Displays the state of the working directory and staging area.
8. **git add <file>**: Adds a file to the staging area.
9. **git add .**: Adds all files in the current directory to the staging area.
10. **git commit -m "commit message"**: Records changes to the repository with a message.
11. **git log**: Shows the commit history.
12. **git log --oneline**: Shows the commit history in a compact format.
13. **git remote add origin <repository_url>**: Adds a remote repository URL.
14. **git remote -v**: Verifies the remote repository URL.
15. **git push -u origin master**: Pushes changes to the remote repository.
16. **git pull**: Fetches and merges changes from the remote repository.
17. **git fetch**: Fetches changes from the remote repository without merging.
18. **git branch**: Lists all local branches.
19. **git branch <branch_name>**: Creates a new branch.
20. **git checkout <branch_name>**: Switches to a different branch.

21. **git checkout -b <branch_name>**: Creates and switches to a new branch.
22. **git merge <branch_name>**: Merges a branch into the current branch.
23. **git branch -d <branch_name>**: Deletes a branch.
24. **git stash**: Stashes changes in a dirty working directory.
25. **git stash apply**: Applies stashed changes.
26. **git tag <tag_name>**: Creates a new tag.
27. **git push --tags**: Pushes all tags to the remote repository.
28. **git reset <file>**: Removes a file from the staging area.
29. **git rm <file>**: Removes a file from the working directory and staging area.
30. **git diff**: Shows changes between commits, commit and working tree, etc.