**Git Commands with Syntax**

**1.git init**  
Syntax: git init  
Initialize a new Git repository.

**2.git clone [url]**  
Syntax: git clone <repository\_url>  
Clone an existing repository from a remote URL.

**3.git status**  
Syntax: git status  
Show the status of changes as untracked, modified, or staged.

**4.git add [file]**  
Syntax: git add <file\_name>  
Add a file to the staging area.

**5.git add .**  
Syntax: git add .  
Add all files to the staging area.

**6.git commit -m "message"**  
Syntax: git commit -m "commit message"  
Commit changes with a message.

**7.git commit -am "message"**  
Syntax: git commit -am "commit message"  
Add and commit changes in one command.

**8.git log**  
Syntax: git log  
Show commit history.

**9.git log --oneline**  
Syntax: git log --oneline  
Show commit history in a compact format.

**10.git log --graph**  
Syntax: git log --graph  
Show a graphical representation of branches.

**11.git diff**  
Syntax: git diff  
Show changes between commits and working directory.

**12.git diff --staged**  
Syntax: git diff --staged  
Show changes between staging and last commit.

**13.git branch**  
Syntax: git branch  
List all branches.

**14.git branch [branch-name]**  
Syntax: git branch <branch\_name>  
Create a new branch.

**15.git checkout [branch-name]**  
Syntax: git checkout <branch\_name>  
Switch to a branch.

**16.git checkout -b [branch-name]**  
Syntax: git checkout -b <branch\_name>  
Create and switch to a new branch.

**17.git merge [branch-name]**  
Syntax: git merge <branch\_name>  
Merge a branch into the current branch.

**18.git rebase [branch-name]**  
Syntax: git rebase <branch\_name>  
Reapply commits on top of another base branch.

**19.git stash**  
Syntax: git stash  
Temporarily save uncommitted changes.

**20.git stash pop**  
Syntax: git stash pop  
Apply stashed changes and remove them from stash.

**21.git stash list**  
Syntax: git stash list  
Show list of stashed changes.

**22.git stash apply**  
Syntax: git stash apply  
Apply stashed changes without removing them.

**23.git reset [file]**  
Syntax: git reset <file\_name>  
Unstage a file.

**24.git reset --hard**  
Syntax: git reset --hard  
Reset working directory and staging area.

**25.git reset --soft HEAD~1**  
Syntax: git reset --soft HEAD~1  
Undo last commit, keeping changes staged.

**26.git reset --hard HEAD~1**  
Syntax: git reset --hard HEAD~1  
Undo last commit and discard changes.

**27.git rm [file]**  
Syntax: git rm <file\_name>  
Remove a file from working directory and staging area.

**28.git mv [old-file] [new-file]**  
Syntax: git mv <old\_file> <new\_file>  
Rename or move a file.

**29.git remote -v**  
Syntax: git remote -v  
Show remote repositories.

**30.git remote add [name] [url]**  
Syntax: git remote add <name> <url>  
Add a remote repository.

**31.git fetch [remote]**  
Syntax: git fetch <remote>  
Fetch changes from a remote repository.

**32.git pull [remote] [branch]**  
Syntax: git pull <remote> <branch>  
Fetch and merge changes from remote.

**33.git push [remote] [branch]**  
Syntax: git push <remote> <branch>  
Push changes to a remote repository.

**34.git push -u origin [branch]**  
Syntax: git push -u origin <branch>  
Push and set upstream tracking.

**35.git push --force**  
Syntax: git push --force  
Force push changes.

**36.git tag [tag-name]**  
Syntax: git tag <tag\_name>  
Create a tag.

**37.git tag**  
Syntax: git tag  
List all tags.

**38.git show [tag-name]**  
Syntax: git show <tag\_name>  
Show tag details.

**39.git cherry-pick [commit-hash]**  
Syntax: git cherry-pick <commit\_hash>  
Apply a specific commit.

**40.git revert [commit-hash]**  
Syntax: git revert <commit\_hash>  
Revert a specific commit.

**41.git blame [file]**  
Syntax: git blame <file\_name>  
Show commit history for each line in a file.

**42.git grep "text"**  
Syntax: git grep "search\_text"  
Search for a specific text in repository.

**43.git config --list**  
Syntax: git config --list  
Show all configurations.

**44.git reflog**  
Syntax: git reflog  
Show reference logs.