**GIT COMMANDS**

Below are few commonly used GIT commands.

Commands are written in sequence with their description respectively.

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| **Command** | **Description / Use** |
| git init | *It is used to initialize a local repository.* |
| git status | *It is used to verify status of your repository* |
| git clone ssh://git@github.com/[username]/[repository-name].git | *Used to create a local copy of an existing remote repository.* |
| git add [file-name.txt] | *Used when we need to a file to staging area.* |
| git add -A | *Used at the time when we have to add new and modified files to staging area* |
| git commit -m "[commit message]" | *Used to commit any changes* |
| git rm -r [file-name.txt] | *While removing file or folder* |
| git branch | *Lists all branches, the one with asterisk is current one* |
| git branch -a | *Lists all branches(remote and local)* |
| git branch [branch name] | *Used to create a new branch* |
| git branch -d [branch name] | *Deleting a branch* |
| git push origin --delete [branch name] | *Deleting a remote branch* |
| git checkout -b [branch name] | *Creating and switching to a new branch* |
| git checkout -b [branch name] origin/[branch name] | *Clone a remote branch and switch to it* |
| git checkout [branch name] | *Switch to branch* |
| git checkout - | *Switch to the branch last checked out* |
| git checkout -- [file-name.txt] | *Discard changes to a file* |
| git merge [branch name] | *Merge a branch into the active branch* |
| git merge [source branch] [target branch] | *Merge a branch into a target branch* |
| git stash | *Stash changes in a dirty working directory* |
| Git stash clear | *Used to remove all stashed entries* |
| git push origin [branch name] |  |
| git push origin --delete [branch name] | *Pushing changes to remote repository (and saving the branch)* |
| git pull | *Used to push changes to remote repository* |
| git pull origin [branch name] | *Deleting a remote branch* |
| git remote add origin | *Update local repository to newest commit* |
| ssh://git@github.com/[username]/[repository-name].git | *Pull changes from remote repository* |
| git remote set-url origin | *Add a remote repository* |
| ssh://git@github.com/[username]/[repository-name].git | *Set a repository’s origin branch to SSH* |
| git log | *View changes* |
| git log --summary | *View detailed changes* |
| git diff [source branch] [target branch] | *Used to preview changes before merging* |