**Git:** A version control system that allows developers to track changes in their code, collaborate with others, and manage different versions of a project locally or remotely.

**GitHub:** A cloud-based platform that hosts git repositories, making it easier for developers to collaborate, share, and manage Git-based projects online.

**Command**

**git init**

The git init command is used to initialise a blank repository it creates a git folder in the current working directory.

**git commit -m ‘message’**

The git commit is used to save the change to the local repository. The command helps you keep record of all the changes made

**git add**

The git add command is used to add changes in the current directory to the staging area

**git status**

The git status command is used to used to display the state of the current repository and the staging area.

**git merge**

The git merge command is used to integrate different branches into a single branch

**git push**

The git push command is used to upload the content from the local repository to the remote repository

**git pull**

The git pull command is used to fetch the new commits and merge them into the local branch

**git clone**

The git clone command is used to create a copy of the target repository or create a clone in a new directory at a new place

**git branch**

A branch refers to an independent line of development. The git branch command is used to create, list, rename. And delete branch

**git check-out**

The git check out command works together with the git branch command. The command enables the navigation between the branches

**git config**

The git config command is used to set configurations like , name , email id etc. This information should be provided as soon as git is installed. Since it is used by git at every commit.

**git diff**

The git diff command is referred to as multi use command that runs the function on different git data sources.

**git log**

The git log command is used to view the previous commits that have taken places in the git project. When the list appears on the screen it shows the reverse order

**git reset**

The git reset command is used to undo the local changes that are made to the state of a git repository. It has three primary forms “ -soft , -- mixed , -- hard “

**git rebase**

Rebase refers to the moving or combining a sequence of commits. The git rebase command is used to integrate change from one branch to another.

**git remote**

This command is used to connect your local repository to the remote server.

**git tag**

This command is used to give tags to the specified commit.

**git show**

This command shows the meta data and content changes of the specified commit.

**git rm**

This command deletes the file from your working directory and stages the deletion.