

To interact with Remote repository/Central Repository(github.com)
From Local system we use either git bash or git GUI

git bash commands

-> We have several git commands to perform some operations with git repository

1) **git help** : This command displays list of commonly/frequently used git commands

Syntax

`git help`

2) **git help command_name**

To know more about particular command.

Once this command is successfully executed then a new page gets opened in a browser.

Syntax : **git help command_name**

Example : Suppose I want to know more details about `status` command

git help status

3) **git init**

- > It is used to create an empty git repository on your system
- > If you are executing this command first time then after execution of this command a new folder is created and that folder name is `.git`
- > `.git` is your local repository
- > Here, dot stands for - it is hidden directory
- > If `.git` folder is already available then it is re-initialized
- > Note: in real time this command is not used.

4) git status

- > To know the status of local repository
- > when this command get executed then in the output following information is displayed

a) **Untracked Files** : Newly created Files. The file which is present in local system but not local repository
Untracked files names are displayed in red color

b) **Modified files** : The files which are present in local repository and we have modified
Modified files names are display in red color

c) **staged files** : The files which are present in staging area.
These file names are displayed in green color

5) git add

This command is used to add file or files into staging area.

If we want to add single file in staging area then use below command

```
git add File_name
```

Example : `git add Abc.java`

If we want to add multiple files into staging are then use below command

```
git add *
```

or

```
git add --a
```

or

```
git add --all
```

6) git rm

This command is used to unstage newly created file from staging area

Syntax:

```
git rm --cached File_name
```

If we want to unstage multiple newly added files from staging area

```
git rm --cached *
```

7) `git restore --staged File_name`

This command is used to unstage a file which was already present in local repository and we modified and added into staging area

8) `git commit`

This command is used to add files into local repository from staging area

syntax: `git commit -m "commit message"`