Git is mainly used for version control and keep track of who make what changes.

Git Commands:

git --version

git help <command>

git config --list ( shows the global variables)

git config --global <variable> <value> (Set the variable and value)

ex: git config --global user.name vara

Assume that we are working on a project and all the contents of the project is stored in a folder, how to git know which folder to maintain. Use the following

* In the Gitbash navigate to the specific folder location.
* Run **“ git init”** command. It will create a separate .git folder where all the revisions/repository git managed files will be stored. Never ever play/delete this folder.
* Now git **can/ not will** manage all the changes in this folder and any sub folders.
* “git status” to check if there were any commits, untracked files and the branch.
* By default git wont track all the files in the working directory, in order to explicitly tell git to track we use “git add <filename>”(moving from working directory to Staging area).
* If you want to take a snap shot of your project at any given point of time we use “ git commit -m “Any message regarding this commit””. (repository).

Workflow of Git:

1. Working Directory
2. Staging Area
3. Repository.

To check the log/ history of the git we use “git log” command.

To check the difference between the working directory content and the repository(last committed) we use “git diff” . We can even compare the differences between last 2 commits.