Git and GitHub

git--version -- this shows you the current version installed on you PC.

The next thing you'll need to do is to set your username and email address.

1. git config --global user.name "YOUR\_USERNAME"
2. git config --global user.email "YOUR\_EMAIL"
3. Now to initialize your project, simply run git init
4. git remote add origin <https://github.com/Lokamit/Repository1.git>
5. To commit our file, we use the git commit -m "first commit" command.

git commit tells Git that all the files staged are ready to be committed.

-m is shorthand for message while the text inside the parenthesis is the commit message. -m "first commit"

6. The last command “git push -u origin main” pushes your repo from your local device to GitHub

Make changes to the file and then push the new version to GitHub.

MY TO-DO LIST

1. Write an article.

2. Code.

3. Study books.

4. Attend classes on time.

5. Visit aunt.

6. Apply for remote jobs.

7. Practice code

After adding the new task, run the git status command.

After making changes to the file, it moved to the modified state.

Now we are going to add (stage) this file git add . 🡪 git add .

Then we commit the file by running git commit -m "added new task"

The last command git push -u origin main pushes your repo from your local device to GitHub.

***How to Use Branches in Git***

To create a new branch, run this command:

git checkout -b test

checkout tells Git it is supposed to switch to a new branch.

-b tells Git to create a new branch.

test is the name of the branch to be created

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8. Complete internship task.

9. Practice chess openings.

Now we are in test branch:

Now for stagging and committing we need to run :-

git add .

git commit -m “some changes have been made”

if you want to check branches:

git branch

Now again get back to main branch:-

git checkout main 🡪 back to main branch

Now we can merge the changes we made in the test branch into the main branch by running

git merge test

push your test branch, switch to the branch using

git checkout test

And then run

git push -u origin test.

## How to Pull a Repository in Git

## To pull in Git means to clone a remote repository's current state into your computer/repository.

1. Go on and copy the HTTPS URL from GitHub.
2. After that, run git clone YOUR\_HTTPS\_URL.

git log :- show all commits in the current branch’s history

