

GIT SESSION-For Team 7

What is git?

Git is an internet hosting platform for dev purposes.

Here coders/programmers :

1. Develop a project as a team.
2. Provide an open source environment.

Terms that would be used :

1. Git terminal:

It is a platform where git commands are run.

In windows we use GitBash.

2. GitHub:

It is an online cloud server where you could save your files and programmes.

3. Repositories:(repo)

It is a server/cloud unit where you save your files

In layman terms:

It is nothing but a fancy name given to a folder that is saved on GitHub cloud.

4. Fork:

It is used to get a copy of a main repository.

5. Clone:

It is a method of creating an offline copy of a repository.

6. Git Token:

It is a key which is used to enhance the security of repository.

7. Commit:

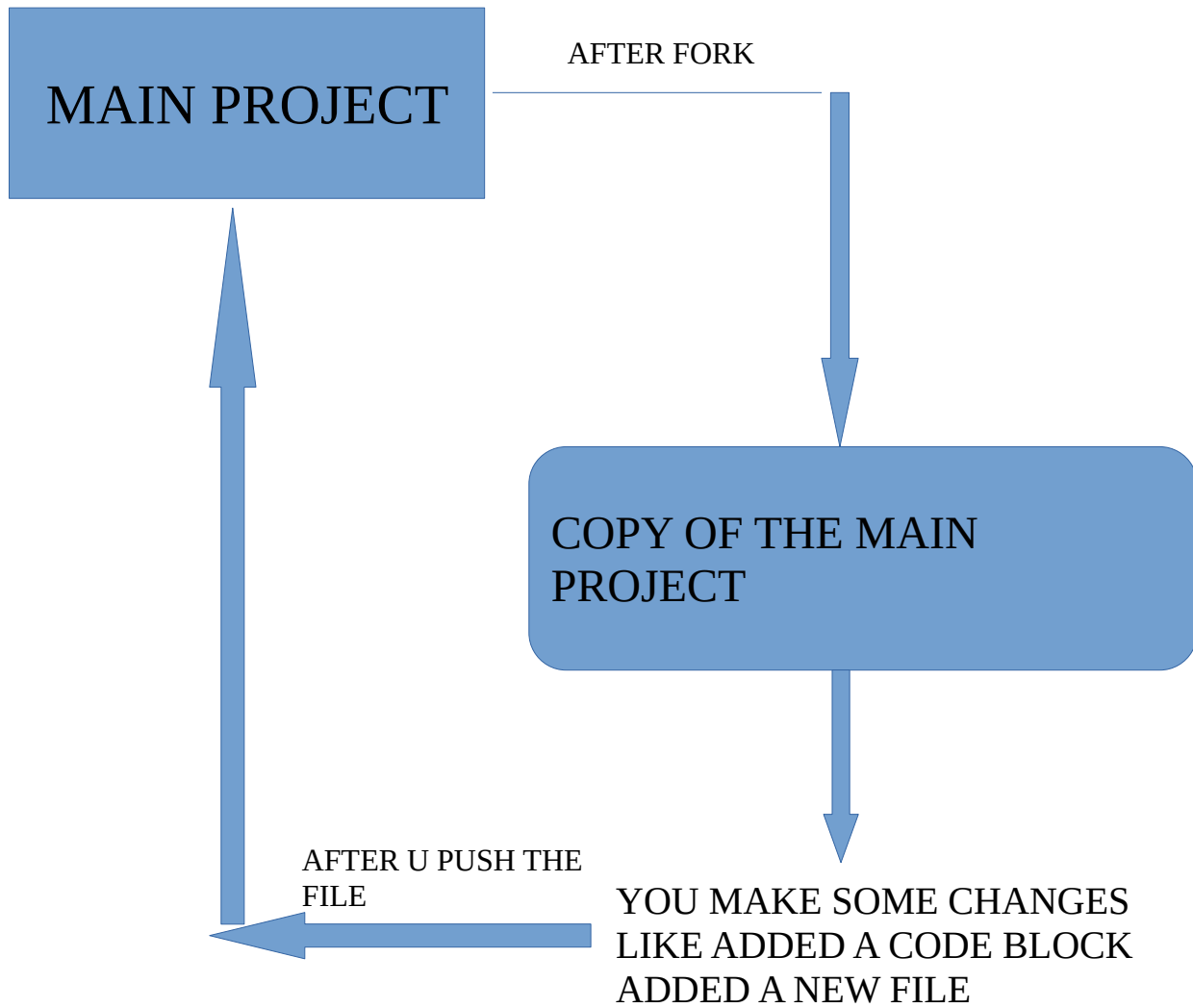
It is a method of saving the changes.

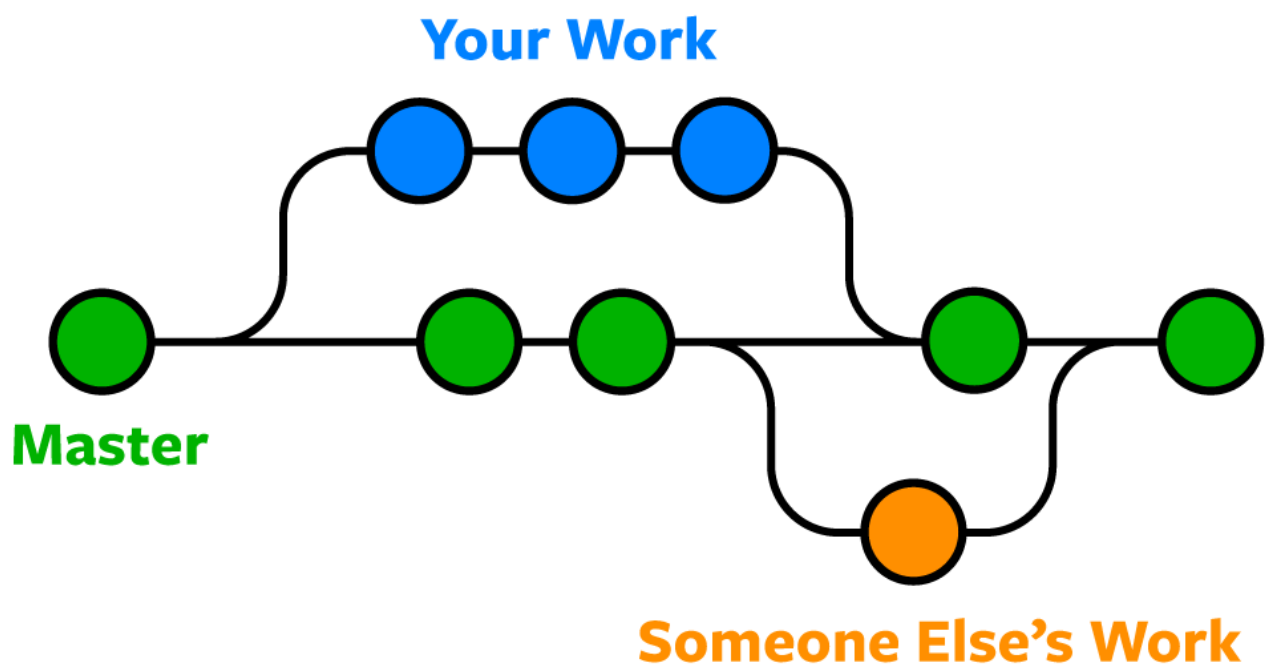
8. Stage/staging Area:

It is a term referred to those files which need to be uploaded to repo.

8.Branch:

It is referred to a separate area where you can run tests or alter the project.





Git commands:

1. Git init:

It creates a hidden folder which contains all the git libraries.

2. git config:

It is used to configure the git terminal for global use.

There are two commands used for config:

git config --global user.email "gitmailid"

git config --global user.name "Git Id"

3. Git clone:

It is a command used to create a copy of repo on pc.

4.touch:

It is used to create a file.

touch <filename>

5. Nano:

It is a command used to launch a text editor.

nano <Filename>

6.ls:

It is a command to list all the files in a folder.(l=small L)

7.Git branch:

It is used to create a branch.

8.Git checkout:

It is used to switch to the branch.

Note: git checkout -b "BRANCHNAME" can be used to create and switch to the new branch.

9.Git add:

It is a command used to add the altered files to staging area.

Syntax:- git add .

10.Git status:

To view the staging area.

Note : Files marked red are not on staging area so before committing add them.

11. Git commit:

it is used to save a file.

12. Git push:

It is used to upload the files back to the repo.

13.Git pull:

It is used to update the local repo.