**GIT🡪** A version control Tool also provides local repository

**GITHUB🡪**

It is a centralized web-based hosting platform for software codes and provides version control using GIT

It helps multiple users to work on single project without many difficulties

**Important Terminologies**

Master, Branch, Fork, Pull Request, Issues, Commit, Merge

Master🡪 A Default branch of a Repository

Branch🡪 A same person creating a duplicate of Master for the new change implementation

Branch is useful for

Enhancements

Bug Fixes

Safely implement new ideas

Fork🡪 Anyone from a community is creating a duplicate of Master for the new change implementation

Pull Request🡪 From Master branch perspective it’s a pull request only not a push

Issues🡪

If someone from the community wants to raise any concerns/issues/enhancements on our product then they can raise an issue.

An Authorized person should assign the issue to the respective team and get it updated and provide comments/close the issues.

**Move project from Eclipse to GitHub**

1.Create a repository in GitHub and copy the URL

2.Create a local GIT Repository

Eclipse🡪windows🡪show view🡪other🡪Git🡪Git Repository🡪clone the existing git project

Copied URL will automatically be pasted here, and we need to provide GIT credentials, so that eclipse can connect with GIT

3.Project🡪Team🡪Share project🡪select our repository

4.Project🡪Team🡪Add Index

5.Porject🡪Team🡪Commit (provide initial commit as a comment)

6.Code successfully moved to GitHub

After every change we made in Eclipse we should do the Add to index/commit process to update the same in GIT

**Clone a GitHub Project to Eclipse**

1.Copy the project

2.Eclipse🡪File🡪import 🡪Git🡪Git Repository🡪clone URI🡪provide the credentials

3.Project will be downloaded at eclipse end

**GIT VIA TERMINAL**

Git bash 🡪Linux look and feel

Git cmd🡪Windows look and feel

Commonly used commands – init, add, mv, rm –cached, add ., status, touch, push

How to move file from git to GitHub

1.create a repository in GitHub and copy the URL

2.In Git run the following command

git remote add origin **github url**

3.Run the push command to master

git push -u origin master (after this we need to provide the credentials to access to GitHub)