**Git Study**

git init : It is for initializing the Git repository via command line

git add Readme.txt: It is used to add a particular file need to be uploaded

git commit -m “first commit” : To save the particular file for upload to git repository.

git remote add origin https://github.com/yogeshra/MyProject.git

The path where we need to push the file on github

git push -u origin master: It pushes file to remote git repo, asks for username and password for first time.

git status: shows status for the git.

For Git study refer below links:

https://www.edureka.co/blog/git-tutorial/

https://guides.github.com/activities/hello-world/

git branch -a: shows all the present branches.

git branch -d <branchname> : used to delete a branch

git branch <branch name> : will create a new branch for the existing repo

git checkout <branch name>: You will switch to the new created branch

Now create new file on branch

git add <new filename>

git commit -m “new file added”

Merging:

git checkout master : You will be again switch to the origin master branch.

git merge <newbranch> : Now new created file will get merged with origin master.

Now you can delete the <new branch> and merge changes to the remote master.

git commit –amend: It is used to amend the last commit made.

git checkout HEAD <filename>: To discard changes to a specific file

git tag -a v1.4 -m "my version 1.4"

git tag is used for tagging . -m is used for specifying the message which is stored with the tag.

git show v1.4

You can see the tag data along with the commit that was tagged by using the git show command

https://www.edureka.co/blog/ci-cd-pipeline/ Nice link to check how Jenkins work with help of example.(CI-CD in Jenkins)

**Git Working Diagram:**

