# GitHub Doc

1. Install GitBash
2. Setting user name in git

<https://help.github.com/articles/setting-your-username-in-git>

1. Setting SSH key which is required in private repository.

<https://help.github.com/articles/generating-ssh-keys>

1. Play with git using below commands:
2. Create new repository in GitHub.
3. Create clone locally :

* $ git clone url (get url from GitHub)
* $ git status // To check local copy with remote OR
* $ git diff

1. Create new file and add in repository

* $ git add file1 file2 // Add local files in remote
* $ git commit –m “Your message”

We can combine above two command line as below:

* $ git commit –a –m “”
* $git push // It requires username and password of git account

1. To remove file from repository

* $ git rm file1 // And above steps of commit and push

1. To take latest code from repository:

* $ git pull

1. Create new **branch**

* $ git branch branch\_name // Create branch locally
* $ git checkout branch\_name (Switched to new branch)
* $ git branch // To check branches
* $ git branch –b branch\_name // Create branch and switched to new branch branch
* $ git push origin branch\_name // Push locally created branch to repository

1. Merging branch into master branch:

Switched to master branch

* $ git checkout master
* $ git merge branch\_name

1. Deleting branch

* $ git branch –d branch\_name // It will delete branch locally
* $ git push origin : branch\_name // Delete branch from repository