**GIT commands**

1. Git version

**git --version**

1. Git configuration

**git config – -global user.name ‘sudhir’**

**git config -- - global user.email ‘sudheer@emial.com’**

1. Git initialization.

**git init**

1. Git pull request.

**git pull <url>**

1. Make changes to local repository and stage and commit.

Status: **git status –** check status after staging and committing.

Staging: **git add -A or git add -all.**

Committing: **git commit -m ‘<message>’**

Committing without staging: **git commit -a -m ‘<message>’**

1. Git push to repository.

**git push <repourl>**

1. Git logs

**git log**

1. Git branch creation.

Display all branches available: **git branch** //\* before branch name is current branch.

Create a branch**: git branch <branchname>**

**git branch -a** // will show all the remote and local branches together.

1. Moving from one branch to another

**git checkout <branchname>**

-b with checkout create and checkout new branch if not existed.

      10. Merge and Deleting branch

Merging branch:

**git merge <branchname>** //To merge new branch to master. Current branch   master.

Deleting branch: **git branch -d <branchname>**

1. To abort the merge.

**git merge –abort**

1. Note: Conflicts might occur during the merge due to branches having same file with different changes. You should resolve the conflicts before committing the code.
2. Adding a remote repository with specified URL as origin to your local git repo.

**git remote add origin <url>**

1. Pushing master branch to origin URL and set it as default URL.

**git push –set-upstream origin master**

1. Pull from GitHub.

Pull is a combination of 2 commands. Fetch and merge

Fetch:fetch gets all change history. On your local git, fetch updates to see what has changed on GitHub.

**git fetch origin**

if you branch is behind 1 commit. Let’s double check using logs

**git log origin/master**

we can also verify by checking difference between out local master and orgin/master.

**git diff origin/master**

now we can safely merge after checking/verifying through the above steps.

**git merge origin/master**

Git pull: **git pull origin**

1. Push to GitHub

**git push origin**