GIT

Git is a version control tool

* Features –
  + Synchronizing code between different people
  + Test changes to code without losing the origin
  + Revert back to old version

To share and download out git code we need to store/host

* Github is one of them

Login to github

Go to –

* github/new to create a new repository
* give a name and description
* select public or private for repository
* click create repository

**git clone <github repository url>**

this command will make a local copy of git repository bby cloning the online repository

**git add <file name>**

This command will add the selected file for saving

**git add .**

This command will add all the edited or newly created file for saving

**git commit –m “comment message”**

this will keep track of the file for new changes on local machine

**git status**

shows the present status

**git push**

this will publish all the local commits to the github

**git commit –am ‘your comment’**

shorthand to add and commit all the changes together

**git pull**

updates the local repository from git

**Merge Conflicts**

Changes made by me

<<<<< HEAD

b = 2

=====

b = 0

Changes made by someone else

>>>>> 57656c636f6d6520746f20576562

**git log**

will give all the commit information , id date user all

**git reset**

will reset the git to previous state

1. git reset --hard <commit id>
2. git reset --hard origin/master

**Branching**

**git branch**

show the current branch

**git checkout –b < branchname>** // -b if it is a new branch

**git checkout <branchname> //** for existing branch

**git merge <branch name> //** this will merge the branch with present branch if no merge conflicts

**GITHUB Repository Features**

Fork and open respository

Make changes and make pull request for contributions

**GITHUB Pages**

Github pages are free for everyone to use and host a html,css,js website

* Create a repository - < yourUserName>.github.io
* Clone the repository
* Create your site
* The push the code to github
* Got to settings on github
* Look for github pages