**Git**

Git is a free and open source distributed version control system designed to

handle everything from small to very large projects with speed and efficiency.

It Outsources many version control systems like RCS, CVS, SVN.

**Installing Git:**

Download the latest version of git that suits your operating system from Git website. Run the program to install it.

Once you open git after installing then you will see create new, clone existing or

Open existing repository.

Enter a directory name or click on browse to create an empty repository.

**Initializing Git:**

Right click inside the folder where you want to initalise the git.

Get git bash there and type the command.

$ git init

This will create an empty git repository.

This repository will contain files

/hooks

/info

/objects

/refs

/logs

**Committing changes:**

$ git add filename

This will be used to add files to the index because inorder to commit

they must be added to the index.

$ git add -A

This can be used to add multiple files at a time.

$ git status

Used to check whether the files have been added to the index or not.

$ git commit –m “message here”

Used for commiting changes with the message.

$ git log

Used for checking commit log.

**Branching:**

$ git branch branchname

Used for creating a new branch.

$ git checkout newbranchname.

we can move to the newbranch by using this.

$ git merge branchname

Used for merging the branches .To use git merge we have to be in

destination branch.