Add Git in existing project. :

* SetUp new Project  
  [www.initializr.com](http://www.initializr.com/)
* Unzip the Download Project in Your User Directory  
  unzip ~/filepath
* Rename Project with New Name  
  mv old\_name New\_name
* Initialize Git in your Project
* Find all files including hidden  
  ls -al
* Verify Git Status

Create any folder with codes in it in any folder

Now we need to add the project to GIT project

Go to the project folder where new files are present and do the below :

$ git init

$ git status

When every files in output is green, means the new project folder is added to existing project.

If we want to remove the any folder from git do the following :

Go to the folder directory and check for .git folder and do the following

$ rm –rf .git

Now do

$ git status

GIT HUB START AND FORK

Github.com

Login to github.com

See all your directories

Now fork any repository in your account.

Create repo in your personal account, if they could be public or private.

Google : ninja scm

Github.com/scm-ninja/starter-web

Click fork in your project

Now we will see clone , in our private space.

Click link next to url and copy paste to new folder in new project on your computer.

By :

$ git clone <url\_copied>

FORK :

Add existing project to github by unzipping

OR

Click the fork icon on left on GITHUB to add the project to your github account.

Then we can do normal git tasks

COMPLETE GIT WORKFLOW :

Add one new file in the git project

Add some text to it.

Add the file to git workflow

$ git add test-new.txt

Now we need to push this file to git remote repos.

Before that pull and then push

$ git pull origin master

$ git push origin master

BACKING OUT CHANGES ON GIT

Add some more text to file.

Now the file needs to be added :

$ git add test1.txt

Check the status :

$ git status

File will be green

After adding the file before committing if you want to backuout just do

$ git reset HEAD test1.txt

Check status

$ git status

File will be red

Now again you want to remove the new text added to file, then

$ **git checkout --test1.txt**

$ notepad test1.txt

Check that the newly added line is also vanished.

$ git status

Check any updates with working directory.

**DELETE file In GIT**

Add a file in git directory

Touch text3.txt

Now add this file to git :

$ git add text3.txt

Now commit changes :

$ git commit –m “file3.txt added”

Now try to delete the file3.txt :

$ git rm text3.txt

Now you will not see file in directory :

If you want to revert changes :

$ git status

Text3.txt deleted

Do following to revert :

$ git reset HEAD text3.txt

Now again if we see, the text3.txt file is not reverted or restored :

$ git status

Text3.txt deleted

So, we need to do following :

$ git checkout -- text3.txt

Now you will text3.txt is restored.

Renaming files in GIT :   
git mv <file-name> <change file name>

File commit, File History

git log

git log --online – graph --decorate

git log –abbrev-log

git log - - since=”2 day ago”

**GIT ALIAS – shorter way to long commands.**

# git config --global alias.history “log --all --graph --decorate --oneline"

Now run the command

git history

now if we want to edit the history alias to rectify mistake.

vi ~/.gitconfig

make the changes to history command and edit and save using editor.

**Excluding unwanted files in GIT**

Create .gitignore file.