

What is Version Control?

- Make save points that save your projects.
- Provides total development freedom.
- Ex - git, Subversion, perforce
- Git is a version control tool.
- Github is a service that hosts git repositories.
- (collaboration), Ex Youtube to host videos

What is Repository?

Repository is a kind of folder ^{git} that has capability to watch (or keep track) the repository.

Why Github is made?

Github is used for collaboration, you can keep changes upload code anytime from anywhere across globe.

Commands -

pwd - to check current directory (working directory)
cd - cd is used to change directory.
ls - ls is used to list all the files and folders on the working directory.
git status - is used to check git status

git init - is used to convert a normal folder to repository
ls - al -

- - dot is use to represent current directory & is also known as period
- - dot dot (2 times dot represent previous directory or parent directory. (Move back one step))
- git - It stores metadata (metadata is useful information) of git repository. It is used by git (version control). It stores all information/status like push, pull, commit, etc.

git clone - use to clone/copy repository in your local system

git diff - use to check history of file/folder.

Life Cycle of Change:

commit - Commit means we have finalize the change.

staging index - the file/folder which are about to commit.

git add - use to push file/folder in staging area.

git commit - use to push file from staging area to github. (Repository).

Review a Repo History

git log - git log is use to view/display all the commit history (latest commit)

git log -s - use to view latest 5 command, -6 latest 6 etc.

git log -p - show commit details in detailed description like old & new changes etc. (Actual changes)

git log --online - display commit details in short.

--stat

To GET OUR USE/TAP Q or :wq

git show commit_id - to show changes of particular commit.
 mkdir - use to make directory.

git commit -m "" - m is use to add message/comment.

HEAD - Head point to latest commit

git restore "file name" - use to restore commit, back to previous commit. (If you accidentally make any change)

git ignore - use to if you want to ignore any file then we add it under gitignore ex gitignore *add

How to create a new branch:

git branch "anuj" : use to create new branch.

git checkout "quick" : use to change branch/navigate.

git checkout -b anuj : create new branch & move in branch

git ^{commit} -am - use to add and commit both at a time

git branch - display all branch

git merge "branch-name" - use to merge two branch

git branch -d "name" - to delete branch

git tag -a betaV1.0 "id" -m "comment"

git pull - use for sync local repository with remote one.

git push -u origin master -

Undo Commits

- git commit --amend : ammend the most recent commit
- git revert : revert given commit
- git reset : delete commit (dangerous command)
 - soft : save difference will show on staging
 - mixed : modification
 - hard : local changes will discard

HTML Basics :

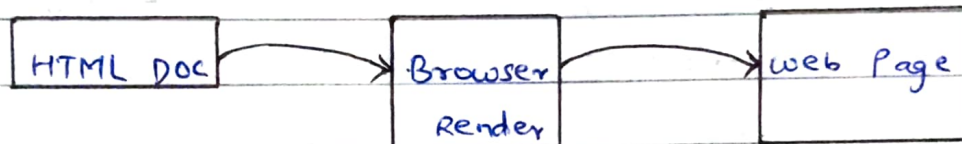
Hyper Text Markup Language



Annotations / tags used to markup language

Hyper text - use to describe content of page / redirect from one page to another page / Basic building block

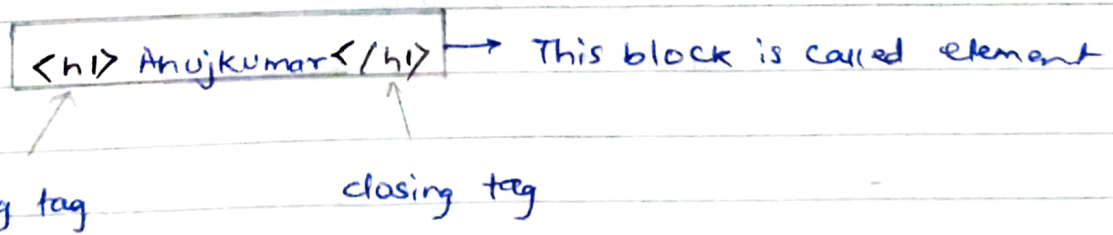
HTML is basic building blocks, skeleton of web page



What is HTML: HTML is a markup language (Hypertext). Hypertext is if more than one page link with other pages. HTML is basic building block, & provide basic description of web page. Skeleton of web page.

Tags :

Tags is used to ^{all browser} how to render different element.



What are comments: Comments are used for developer reference. Someth anything in the comment is not debug or run by interpreter.

Two ways to open HTML?

- Text Editor
- Browser

HTML Text Element

Block Inline

- Paragraph `<p>`
- Heading `<h1>` to `<h6>`
- Lists `` / ``
`<article>`
`<section>`

Inline Element

- Emphasis ``
use to bold
- Strong ``
- anchor tag `<a>`

Homework :

MDN web Docs - have a look to it

If you get stuck use this website, the best website MDN

Empty or self closing tag:

tags which don't needed to be closed. Ex ``, `
`, `<input>`

Lists :

There are three types of list

- Ordered list 1, 2, 3, I, II, III etc. `` ``
- Unordered list •, ♦ etc. `` ``
- Description list H.W

Attribute :

Attribute mean property. ``
src is attribute

most of the attribute is in starting tag.

`<html lang="en">` - tells content of web page is in english
// verify can we write it in Indian English

what is metadata : - data about data

what is meta : The small description of web page in short

Ex:

thecodehelp.com

To learn Full stack Development } this is metadata

initial scale = use to zoom in zoom out.