Web hosting?

1.A web hosting service is type of Internet hosting service that allows

individuals and organization to make their website accessible via world

wide web.

2.Web hosts are companies that provide space on a server leased for use bye clients as well as

providing internet connectivity, typically in data center.

source\_control Managemnet-----Bitkeeper(company)

{vcs----Verion control system

dvcs----Distributed version control system}

What is GIT?

Git is Distributed version control system for tracking changes in source code during s/w development/

it is designed for coordinating work among programmers, but it can be to track changes in any

set of files, The goals include speed, data integrity and support for 'distributed'.

Note:- Git is totally working command line utility the help of git bash(

windows)

Release:-7th of April 2005

operation system:- POSIX (Linux, Unix, AIX, Solaris), macOS, Windows

REpository:-git.kernel..org/pub/scm/git/git/git/

Licence:-GPLv2(small company),LGPLv2.1(Large company)

website:- git-scm.com

Father of git:- Linus Torvalds

git was totally made ny linux kernel.

Git lateset version:-27 july 2020 ----2.28.0

chapter\_2:-

What is VCS?

VCS stands for version control system.

There are 3 types VCS

1.Local VCS:-

locla vcs are totaly depends upon backend database,it's pull the file

or folder and also push it similarlly,and main thing of local vcs it's

track the data. it's a first concept who is that much capacity to do

this type data fetching.

but the main draw back is if your local sys is damaged your total data was destroy,

and we have no option to recover this data again. and second drawback is you do not

share your data any device.

adv:- Roll back is avialable in loacla vcs.

2.Centralized VCS:-Centralized VCS are totaly depends upon server, and main thing

is one to many person are at a time a are used this server for push and pull the files,and

it's track the file date also person name who is changes tha data as wll as,

if server was damaged all data was deleted,but only few imp data are saved by any user, if he/she knows

that matter,and in the case of server if many person are worked at a time,it's very slow to push and pull method.

3.Distributed VCS:-Distributed VCS are totaly depends upon cloud,and every data are separated

by each developer,who is working in own project.if one side of cloud was crashed,so that ni impact other data,

and other data are saved by the could and local system.

Pratical:-

Identity provides to git

there two identity provides to git one is name another is email id.

git config --global user.name "your\_name"

git config --global user.email "your@gmail.com"

how check?

git config user.name

git config user.email

1.$ git init--create a repo on this file

2. $ git status(check the status)

On branch master

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

biswajit\_110cv[1].docx

firs\_class.txt

\*\*\* file should be in red color--means--this fils is untracked

3. git add --a ----stageing are complgte(Unstage to Stage)

means files should be going to stageing area and file also tracked.

note: if you add single file:- git add .

4.$ git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: biswajit\_110cv[1].docx

new file: firs\_class.txt

5.$ git commit -m "first\_repo"(Version control)

[master (root-commit) 706f107] first\_repo

2 files changed, 1 insertion(+)

create mode 100644 biswajit\_110cv[1].docx

create mode 100644 firs\_class.txt

6.$ git status

On branch master

nothing to commit, working tree clean

8.git remote add origin 'paste SSH key'(Repository add)

9.git branch -M main(change master to main and main to master)

10.git push -u origin main (code send local to cloud)

for push the local system to git repositoty

7.

if have no idea how generate ssh then go to this link:-

https://docs.github.com/en/free-pro-team@latest/github/authenticating-to-github/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent