Version Control System

Version Control System help to keep the track about the project execution.

Git : Git is sub version control open source tool which help to keep the track of all changes or all version changes in application or projects.

git --version

create folder and create any type of file with some contents.

When you are doing first time commit. We need to configure basic information

Please open the command prompt or terminal inside a folder

git init : to make local folder as local repository

git status to check the status of the git

git add filename to add the file from local machine or os to stagging area.

Or

Git add . it add all files as well as all sub folder.

Stagging area is a temporary area hold the task before commit.

git commit -m “commit message”

first time you need to do the configuration

Email id and username

```
git config --global user.email "admin@example.com"
git config --global user.name "admin"
```

git config --list it show all configuration details

git branch:

branch is like a pointer which hold more than one commit details.

By default, git provided default branch **master or main**.

To check default branch name we need to run the command as

git branch

command to create user defined branch

git branch branchname

to switch from one branch to another branch

git checkout branchname

merge to code from one branch to another branch

git merge branch_name

delete the branch

git branch -D branchName

re-name the master or user defined branch