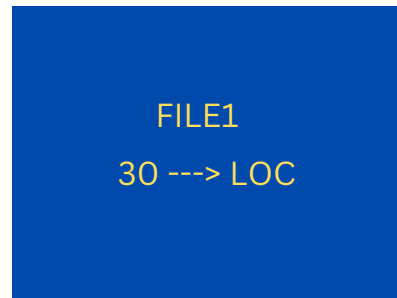
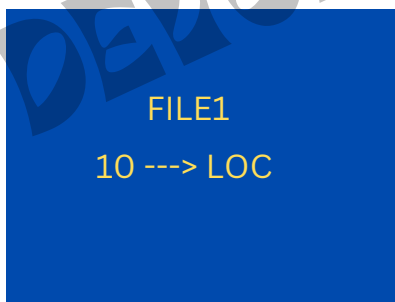


GIT: GLOBAL INFORMATION TRACKER

WHY GIT?

- IT IS USED FOR SOURCE CODE MANAGEMENT.
- GIT IS USED TO MAINTAIN MULTIPLE VERSIONS OF THE SAME FILE.

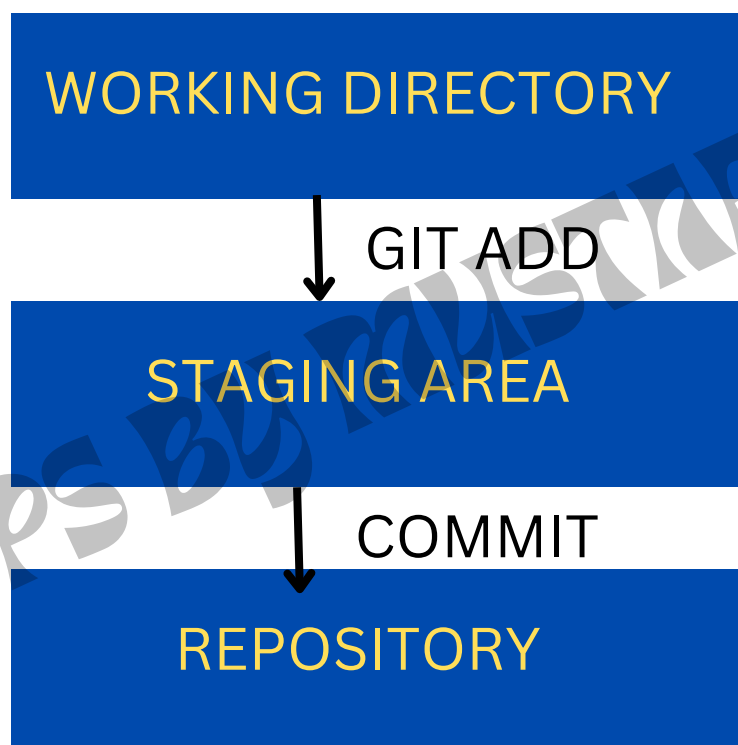


- GIT IS FREE AND OPEN SOURCE.
- GIT IS PLATFORM INDEPENDENT.

IT SUPPORTS LINUX, MAC OS, AND WINDOWS.

- GIT IS USED TO TRACK THE FILE.
- GIT WAS INTRODUCED IN THE YEAR OF 2005.

GIT STAGES:



WORKING DIRECTORY:

- In this stage git is only aware of having files in the project.
- It will not track these files until we commit those files.

STAGING AREA:

- The staging area is like a rough draft space, it's where you can git add the version of a file or multiple files that you want to save in your next commit.
- In other words, in the next version of your project.

REPOSITORY:

- Repository in Git is considered as your project folder.
- A repository has all the project-related data.
- It contains the collection of the files and also history of changes made to those files.

We have 3 repositories in GIT

- LOCAL REPO
- REMOTE REPO
- CENTRAL REPO

LOCAL REPO:

The Local Repository is everything in your .git directory. Mainly what you will see in your Local Repository are all of your checkpoints or commits. It is the area that saves everything (so don't delete it).

REMOTE REPO:

The remote repository is a Git repository that is stored on some remote computer.

CENTRAL REPO:

This will be present in our GITHUB

INSTALL GIT:

yum install git -y

yum: yellowdog updater modifier

To check the git version:

git --version

git init . : to get empty repo

To track the file:

git add file_name : single file

git add aws azure gcp : multiple files

git add * : all regular files

git add . : including hidden files

to untrack the files:

git rm --cached file_name

to commit file:

git commit -m "message" file_name

git commit -m "message" aws azure gcp

git commit -m "message" .

to check the history

git log

git log:

git log -2: latest 2 commit

git log --oneline: used to see only commit id's
and commit messages

git config: it is used to configure the user with
their mail id in git

command: **git config user.name "user_name"**

git config user.email "user@email.com"

git restore: used to get back the deleted files

command: **git restore file-name**

git ignore:

it is used to ignore the files from
tracking

DEVELOPS BY MADSTAFF