

GIT CLASS-01

GIT INSTALL: `yum install git -y`

TO INITILIZE AN EMPTY REPO: `git init .`

here .(dot) represents the current directory (~). so it will creates .git folder (hidden)

To check the version: `git --version`

it returns: git version 2.38.1

GIT is used to track the file

to track a file

- `touch file_name` : create a new file
- `git add file_name` : add git to file
- to check : `git status`

green color file represents **tracking files**

red color files represents **untracking file**

tracking means: we have a record that what we made the changes on a file.

it will track the each and every change in a file.

To commit a file: `git commit -m "message" file_name`

once we commit the file, it will goes to repository.

we can see the history of a file by using **git log**

- to track multiple file: **git add f1 f2 f3**
 - to track all files: **git add ***
 - to track all files including hidden files: **git add .**
-
- to commit multiple files: **git commit -m "msg" f1 f2**
 - to commit all tracking files: **git commit -m "msg" .**

.(dot) represents the all tracking files

notes: we can't commit the untracking files.

To untack a file: git rm --cached file_name

once we un track a file, that files goes to working directory.

GIT LOG COMMAND: This command is used to get history of git.

git log -2: latest 2 commit

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

git log --follow --all filename : used to see all commits of a single file

GIT SHOW COMMAND: This command is used to get commit details and history of a file

git show commit_id : used to get the changes of a file including the data

git show commit_id --stat: used to get stats of a file

git show commit_id --name-only : used to get commit details along with the file name

GIT CONFIG COMMAND: This command is used to set and delete username and password

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

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

NOTE: We can edit this in config file which is present in .git folder

GIT IGNORE : The .gitignore file is a text file used in Git repositories to specify intentionally untracked files and directories that should be ignored by Git.