



# **WHAT IS GIT AND GITHUB**



# WHAT IS GIT ?

Git is a technology that helps you keep track of your project files with your team.

It allows you and your team to work on the same project files without overwriting each other's work and it keeps a record of who did what.

Git Remembers !!



# What does Git remember ?

- What was changed

- When was it changed

- Who changed it

Suppose you made a new version and feel like you are not going in the right direction, git always allows you to jump to your previous versions. Git is helping us to keep things organized.

# WHAT IS GITHUB ? (Git != GitHub)

GitHub is an online Git server, GitHub hosts Git repositories on their cloud servers.  
It is Built on top of Git and makes Git easier to use via GitHub

Other Git servers : GitLab, BitBucket ... etc



# TERMINOLOGIES

## 01 REPOSITORY (REPO)

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A storage location for your project and its history.

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## 02 COMMIT

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To save changes as a new version

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## 03 BRANCH

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A separate work space of versions apart from main project

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## 04 CLONE

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Duplicating someone else's repo on your local computer

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## 05 PUSH

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To push the local project / changes in to your GitHub account

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## 06 PULL

Fetch and integrate changes from other's repo in to your repo

# TERMINOLOGIES

## 01 GITHUB REPO

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Your Git repo hosted on your GitHub account (on cloud)

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## 02 CONTRIBUTORS

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Developers who have made commits to the GitHub project

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## 03 FORK

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Duplicating someone else's repo in to your GitHub account

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## 04 PULL REQUEST

Request to merge your changes into main project