**GIT:**

Git is a version Control System.

**VERSION CONTROL SYSTEM**:

It is a tool that helps to track the changes in code.

It tracks the history of project/code

For example: When file has been deleted, changed, new file has been added.

When code has been changed, what has been updated, which line has added, which line has been changed. Such history is tracked by Version Control System.

-Git is a popular VCS (Version Control System)

-Git is free and open source

-Fast and Scalable.

**Git is used for two reasons:**

1: To track the history of project/code.

2: Collaborate

**GITHUB**:

Github is a website that allows developers to store and manage their code using git.

[www.github.com](http://www.github.com)

During creation of new repository an option named “**README.md**” is visible to check. README.md is a special type of file in which we add project details such as project name, what is the project, what the project does, working of project, how to use the project, Purpose of project etc.

Initial Commit means first time we have committed means we have done change.

Github tracks our changes whatever we do.

Final change -> commit

To finalize and apply changes we commit.

In git, changing is a 2 step process:

1-> Whatever we do change first we **add** that change. (add the change)

2-> That change is **committed** means change has been done. (commit the change)

In github, “**adding the change**” step is skip.

**Committing changes** means take screenshot and store into memory.

Git/Github saves history means whatever screenshot has been taken, all are saved into memory.

Git saves commits in the form of history.