

System Design LAB

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MCA REGULAR

ROLL NO: 10

1) Git as a version control system

Version control is a system that records changes to a file or a set of files over time so that you can recall specific versions later.

Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

Git is easy to learn and has a tiny footprint with lightning fast performance.

2. what is Git Hub?

Crithub is a code hosting platform for version control and collaboration. It lets you and others work together on project from any where.

Crithub has a number of useful features that enable development teams to work together on the same project and easily create new versions of software without disrupting the current versions. With crithub you can collaborate and work on projects with others any where in the world.

3. what is working directory & staging area?

working directory.

This is the area you are currently working.

It is where files live. Any change to files will be marked and seen in working tree.

To know working tree / working directory

Run command `git status`. This will show

1) files in working directory &

2) files in staging area.

Staging Area

The staging area is when git starts tracking and saving changes that occur in files.

These saved changes reflect in the git directory.

That is about it when it comes to the staging area.