

Git and GitHub

Q: What is git?

Git is an open source control Management system used for tracking changes in source code during software development.

Q: What is git bash?

Command line interface tools that provide environments like unix in the operating system.

Q: What is a repository?

Repository is a central storage location where a project's files and their complete history are stored. We create repo for many purposes like: version control, collaboration, remote control, backup and redundancy.

Create repo: `git cd <path>`

`git init`

`git add .` (all file or folder of selected folder)

`git commit -m "Message"`

`git remote add origin url of repo`

`git push -u origin branchName`

Q: How do we clone remote repositories?

Change dir to local folder(or open git bash in local folder) then `git clone url`.

For a specific branch→ `git clone -b branch name url`.

Q: How do we push changes back from local repository to remote repository?

Add, commit, fetch, push origin master, push.

Q: What is a branch?

Isolated code base. `git branch branchName`.

Pull request is used to collaboration and code review among developers.