

# Git and

## GithubAssignment

### Assignment Questions and answer

Q.1 what is git ?

Ans - git is a version control system . it was created by linus torvalds in 2005 and has been maintained by Junio Hamano.

Git is used for

- a. Tracking code changes
- b. Tracking who made changes like history of the files
- c. Coding collaborations

Q 2. What do you understand by the term “ version control system “ ?

Ans - It is a system that records changes to a file or set of files over time , so that we can recall

specific version later i.e., for every source code changes in a file a new version will be created .

Q 3- difference version control system ?

Ans - There are three types of VCS

1. Local version control system (LVCS)
2. Centralized control system (CVCS)
3. Distributed version control system (DVCS)

Q.4 - mention some popular git hosting services ?

Ans - The number one, at least in terms of popularity, is definitely GitHub – the most famous web-based Git repository hosting service.

Q 5 what is github?

Ans . GitHub is a for-profit company that offers a cloud-based Git repository hosting service. Essentially, it makes it a lot easier for individuals and teams to use Git for version control and collaboration.

Q 6. What is benefit come with using git ?

Ans . One of the biggest advantages of Git is its **branching capabilities**. Unlike centralized version control systems, Git branches are cheap and easy to merge. This facilitates the feature branch workflow popular with many Git users. Feature branches provide an isolated environment for every change to your codebase.

Q 7. What is git repository ?

A Git repository is the .git/ folder inside a project. This repository tracks all changes made to files in your project, building a history over time. Meaning, if you delete the .git/ folder, then you delete your project's history.