

# Assignment on Git and GitHub

## Q1. What is Git?

Git is open-source software, it is used to store data and source code for your project.

## Q2. What do you understand by the term ‘version control system’?

Version control is a system that records to a file set that you can recall previous or specific version .

## Q3. What is GitHub?

GitHub is a code hosting platform for version control and collaboration. You can Host your project and collaboration with others.

## Q4. Mention some popular Git hosting services?

- Bitbucket.
- GitHub
- GitLab.
- Perforce.
- Beanstalk.
- Amazon AWS CodeCommit.
- Codebase.

## Q5. Different types of version control system?

- Local Version control system
- Centralized Version control system
- Distributed Version control system

## Q6. What benefits come with using GIT?

- You can store your data and project.
- You can host your software.
- You can track your file changes.
- You can collaborate with other people.

### **Q7. What is a Git Repository?**

A Git repository tracks and saves the history of all changes made to file in a Git project.

### **Q8. How can you initialize a repository in Git?**

To initialize a new repository, you can use git command git init. Git init is a one-time command when you set up a new repository