

# Git and Github

## Assignment Questions



1. What is Git?
2. What do you understand by the term 'Version Control System'?
3. What is GitHub?
4. Mention some popular Git hosting services.
5. Different types of version control systems
6. What benefits come with using GIT?
7. What is a Git repository?
8. How can you initialize a repository in Git?



## Git and Github Assignment Answers

**Ans 1.** Git is a popular version control system created by LINUS TORVALDS and it is used for Tracking code changes

**Ans 2.** Version control system are software tool that help software teams manage source code over time.

**Ans 3.** Github is code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.

**Ans 4.** Popular git hosting services are

- BitBucket
- Github
- Gitblit
- Gitlab

**Ans 5.** Types of version control system are

- Centralized version control system(CVCS)
- Distributed version control system(DVCS)

**Ans 6.** Benefits of using Git

- Flexibility
- Security
- Wide Acceptance
- Coding collaborations
- Tracking who made changes in files

**Ans 7.** 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.

**Ans 8.** **Git init** command is used for initializing a repository in git