

1. What is Git?

A1. Git is a DevOps tool used for source code management. It is a free and open-source version control system used to handle small to very large projects efficiently. Git is used to tracking changes in the source code, enabling multiple developers to work together on non-linear development

2. What do you understand by the term 'Version Control System'?

A2. Version control systems are software tools that help software teams manage changes to source code over time. As development environments have accelerated, version control systems help software teams work faster and smarter.

3. What is GitHub?

A3. GitHub is a platform for hosting code that allows for version control and collaboration. It allows you and others to collaborate on projects from anywhere

4. Mention some popular Git hosting services.

A4. GitHub, GitLab, etc.

5. Different types of version control systems.

A5. Centralized Version Control System (CVCS) and Distributed Version Control System (DVCS).

6. What benefits come with using Git?

A6. i It is a DVCS.

ii It is useful if by any means the code on the client device is deleted or removed.

iii It is useful for team work.

7. What is a Git Repository?

A7. 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.

8. How can you initialize a repository in Git?

A8. A GitHub repository can be initialized by running Git init command in Git Bash.