Q1. What is Git?

A1. Git is a free and open-source distributed version control system designed to handle everything from to very large project with speed and efficiency.

Q2. What do you understand by the term 'Version Control System'?

A2. Version control, also known as source control, is the practice of tracking and managing changes to software code. Version control systems are software tools that help software teams manage changes to source code over time.

Q3. What is GitHub?

A3. GitHub is an online platform where we can share our codes (or projects) online hassle-free. GitHub is placed where we host our local git repository online. It basically allow you to work collaboratively within a group of peoples.

Q4. Mention some popular Git hosting services?

A4. Bitbucket, GitLab, Perforce, Beanstalk, Amazon AWS CodeCommit, Codebase. Microsoft Azure DevOps, SourceForge.

Q5. Different types of version control systems?

A5. 1. Local version Control Systems
2. Centralized Version Control Systems
3. Distributed version Control System.

Q6. What is benefits come with using GIT?

A6. 1. Performance
2. Security
3. Flexibility
4. Wide acceptance
5. Quality open source project

Q7. What is Git repository?

A7. Repositories in GIT contain a collection of files of various different versions of a Project. These files are imported from the repository into the local server of the user for further updations and modifications in the content of the file.

Q8. How can you initialize a repository in Git?
A8. Initializing a new repository: **git init**

To create a new repo, you'll use the git init command. git init is a one-time command you use during the initial setup of a new repo. Executing this command will create a new .git subdirectory in your current working directory. This will also create a new main branch.