Q1 : What is Git ?
Ans : Git is an open source distributed version control system.

Q2 : 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,

Q3 : What is GitHub?
Ans: GitHub is a Git repository hosting service. GitHub also facilitates many of its features, such as access control and collaboration.

Q4: Mention some popular Git hosting Services?
Ans: **Top 10 best Git hosting solutions and services**
  ● Bitbucket.
  ● GitHub
  ● GitLab.
  ● Perforce.
  ● Beanstalk.
  ● Amazon AWS CodeCommit.
  ● Codebase.
  ● Microsoft Azure DevOps.
  ● SourceForge.

Q5: Different types of version control system?
Ans: There are mainly three types of version control system.
  1.   Local version control System.
  2.   Centralized version control System.
  3.   Distributed version control System

Q6: What benefit comes with using GIT?
  ● Fast Processing: As compared to other software or apps, it runs more quickly. Both the server as well as local operations are performed easily with high speed

  ● Flexible: The work-flow operations in the system are flexible in nature. It is possible to make a choice from the work-flow options.

  ● Easy Merging: It is possible to start merging another code in the system. It is a

    great way for the developers to interact with each other and add to their

    contributions. No long procedure is required to follow during the merging time.

Q7: What is a Git repository?

Ans: Git repository help in maintaining the code or project. It can be a local repository which is stored in developer's local space and then it can be posted to the main repository in the git hosting server like github.

Q8: How can you initialize a repository in Git?

Ans: we can initialize a repository in git using init command. Syntax for initializing repository is git init

For example :

```
echo "# SampleProject" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/NitinTechnolgoy/SampleProject.git
git push -u origin main
```