**1.What is Git?**

Git is a popular version control system (VCS), It was created by Linus Torvalds in 2005 and has been maintained by Junio Hamano.

**Git used for**

a. Tracking code changes

b. Tracking who made changes like history of the files

G. Coding Collaborations

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

A version control system, or VCS, *tracks the history of changes as people and teams collaborate on projects together*. As developers make changes to the project, any earlier version of the project can be recovered at any time.

**3. What is GitHub?**

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

**4. Mention some popular Git hosting services.**

* Bitbucket , GitLab , Perforce , Beanstalk , Amazon AWS Code Commit , Codebase , Microsoft , Azure DevOps , Source Forge.

**5. Different types of version control systems.**

3 types of version control systems.

* Local Version Control Systems.
* Centralized Version Control Systems.
* Distributed Version Control Systems

**6. What benefits come with using GIT?**

* Performance. Git performs very strongly and reliably when compared to other version control systems. ...
* Security. Git is designed specially to maintain the integrity of source code. ...
* Flexibility. ...
* Wide acceptance. ...
* Quality open source project.

**7. What is a Git repository?**

A Git repository **tracks and saves the history of all changes made to the files in a Git project**. It saves this data in a directory called .git , also known as the repository folder. Git uses a version control system to track all changes made to the project and save them in the repository.

**8. How can you initialize a repository in Git?**

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