

Git and Github

Assignment Part-1

(1)

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 is used for Tracking code changes, Coding Collaborations etc.

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

→ Version Control System are a category of software tools that helps in recording changes made to files by keeping a track of modifications done in the code.

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.

Github essentials like repositories, branches, commits, and pull requests.

4, Mention some popular Git hosting Services.

→ Bitbucket, Github, GitLab, Perforce.

, Beanstalk, Amazon AWS Code Commit, Codebase, Microsoft Azure DevOps.

5, Different type of Version Control System?

→ There are two types of VCS.

① Centralized Version Control System.

② Distributed Version Control System.

6, What benefits come with using GIT?

→ Performance, Security, flexibility, Wide acceptance, Quality open source project

7, What is Git repository?

→ In Git, the repository is like a data structure used by VCS to store materials metadata for a set of files and directories. It contains the collection of the files as well as the history of changes made to those file. Repository in Git is considered as your project folder. A repository has all the project-related data. Distinct projects have distinct repositories.

8, How can you initialize a repository in Git?

→ `git init`