Git and Github

Assignment Questions

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Q1 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

a. Tracking code changes

b. Tracking who made changes like history of the files c. Coding Collaborations

Q2 What do you understand by term of ‘Version Control System’ ?

=>It is a system that records changes to a file or set of files over time, so that we can recall specific versions later, i.e., for every source code changes in a file a new version will be created.

Q3 What is git-hub?

=>The Git version control system, as the name suggests, is a system that records all the modifications made to a file or set of data so that a specific version may be called up later if needed. The system makes sure that all the team members are working on the file’s latest version, and everyone can work simultaneously on the same project.

Q4 Mention some popular git hosting services?

=>Some popular git hosting services are github,gitlab,codebase etc

Q5 Different types of version control system

=> There are 3 types of Version Control System

° Local Version Control System (LVCS

° Centralised Control System (CVCS)

° Distributed Version Control System (DVCS)

Q6 What Benefit come with using GIT?

=>Benefit of gits-

a. Tracking code changes

b. Tracking who made changes like history of the files

c. Coding Collaborations

Q7 What is git Repository

=>A Git repository is a virtual storage space where you can save versions of your code. It allows you to track changes to your code, revert to previous versions, and collaborate with others. With Git, you can save different versions of your code and switch between them as needed. It is a distributed version control system which means that it allows multiple developers to work on the same codebase simultaneously and merge their changes together. It is widely used by software developers and is the most popular version control system for open source projects.

Q8 How you can initialize a repository in git?

=>To initialize a new Git repository, we can use the "git init" command. This command creates a new subdirectory called .git

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