

Git and GithubAssignment Questions

Assignment Questions

1. What is git ?

Git is the free and open source distributed version control design to handle everything from small to very large project with speed and efficiency .

2. What do you understand by the term version control system ?

Version control also known as source control, is the practice of tracking and managing changes to software code. version control Earth software to that helps software team many change to source code overtime.

3. What is github?

GitHub is a website and cloud-based service that helps developers store and manage their code, as well as track and control changes to their code.

4. mention some popular git hosting

service?

Bitbucket, gitlab, perforce, beanstalk, Amazon AWS codecommit, codebase, microsoft Azure DevOps.

5. Different types of version control system ?

There are two types of version control: centralised and distributed

6. What benefits come 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.

7. What is 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.

8. How can you initialize the repository in git?

The `git init` command is used to initialize a new Git repository in the project root directory of your codebase. If you are starting a brand new project, this might be a new empty folder, or it might contain a simple README. To create a new folder for your project you can use the `mkdir` command on the command-line: