

What is GitHub? Explain the basic features of GitHub in your own words

Github:

It is a cloud-based platform that helps developers store, manage, and collaborate on code projects. It is built on Git, a version control system that tracks changes in code, making it easier to manage and collaborate on software development projects.

Features:

Version Control:

GitHub allows developers to track changes made to their code over time. With Git integration, you can view who made changes, revert to previous versions, and experiment with different code ideas without losing the original.

Repositories:

A repository is where the project's files, including the code and its history, are stored. Repositories can be public or private.

Pull Requests:

A pull request is a way to propose changes to the codebase. Other team members can review, discuss, and approve these changes before merging them into the main project.

Branching and Merging:

Branches let developers work on features or fixes without affecting the main codebase. After completing the work, branches can be merged back into the main branch, integrating the changes.