

What is Git?

Git is a distributed version control system (DVCS)

- Allows developers to track changes in their codebase
 - Collaborate with others
 - Manage different versions of their projects efficiently
 - Git was developed by Linus Torvalds in 2005 for Linux kernel development
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What is GitHub?

GitHub is a hosting service for Git repositories and if you have a project hosted on GitHub-

- **Storage:** GitHub hosts your code repositories.
 - **Collaboration:** Developers can collaborate from anywhere using GitHub's features.
 - **Access:** You can download and work on projects using Git commands.
 - **Update:** Push your changes back to GitHub to keep the project up-to-date.
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What we Going to Learn?

- **Git Installation & Environment Setup**
 - **Git Tools & Terminology**
 - **Basic Git Commands**
 - **Git Branching Model**
 - **Staging & commits-** Init, Add, Commit, Clone, Stash, Ignore, Fork, Repository, Index, Head, Origin Master, Remote, Tags, Upstream & Downstream
 - **Undoing changes-** Checkout, Revert, Reset, Rm, Cherry-pick
 - **Inspecting changes-** Log, Diff, Status
 - **Branching & Merging-** Branch, Merge & Merge Conflict, Rebase, Squash
 - **Collaborating-** Fetch, Pull, Push
 - **Interview Questions**
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