Day 5 →

Q1 What is a version Control

↳ A version control system (VCS) is a tool that tracks changes made to files and allow multiple users to collaborate on the set of files. It allows users to undo changes, revert to previous versions of files and merge along made by different users.

Q2 Why did a version control system develop?

↳

The necessities that led to the development of version control system.

1. Collaboration → As software development become more complex and invalve multiple people it became necessary to have a system that allow multiple dev at sam

2. Backup and Disaster → Version control System provide a way to backup code and recover it in case of diaster

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Q3 Different type of version Control?

(i) (CVCS) Centralized version Control
Developers check out a copy of the files from the central repo, make changes and then check the changes back in.

(ii) (DVCS) Decentralized version control System there is no central repository each developer has a copy of the entire repository.

Q4 What is Grit?

→ Grit is a free open-source distributed version control system designed to handle everything from small to very large project with speed and efficiency. It is decentralized version control system. which means that there is no central repo instead each developer has a copy of the entire repo to their local machine.

Q5 ~~Features~~ State three command of Git?

↳ (i) git "init" → This command initilizes a Git repo. It creates the necessary files and directories for git to start tracking changes in current directory

(ii) git "commit" This command saves changes to the local repository It creates a new snapshot of a project

Q6 What does 'push' mean in a Git?

↳ In Git, "Push" refers to the action of uploading local commits to a remote repository The command for pushing changes in Git is 'git push'

Q7 Draw a standard work of two version control

↳