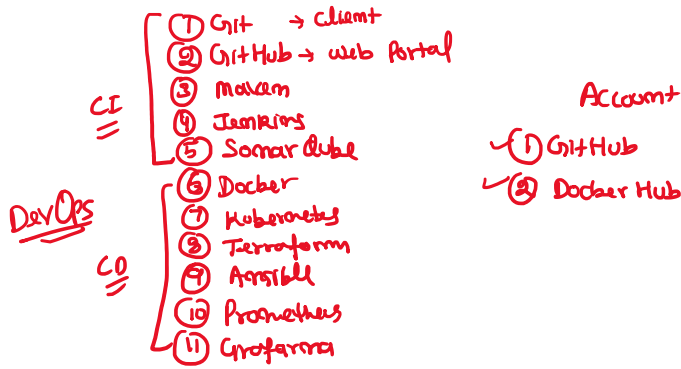
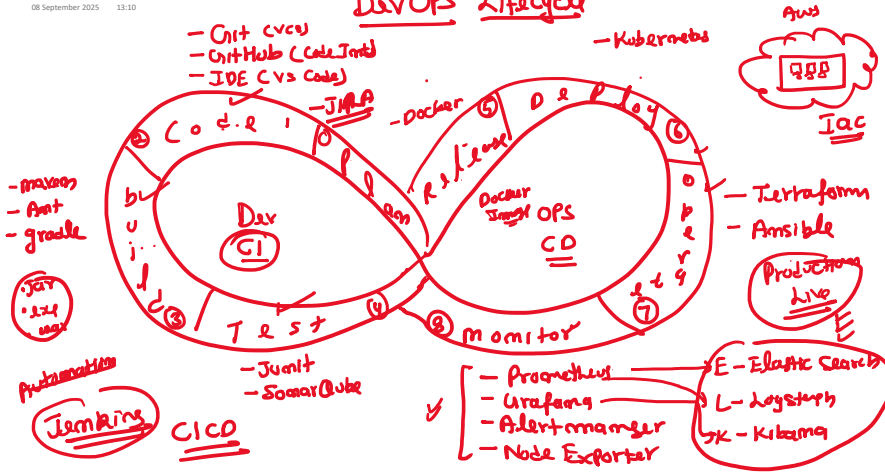


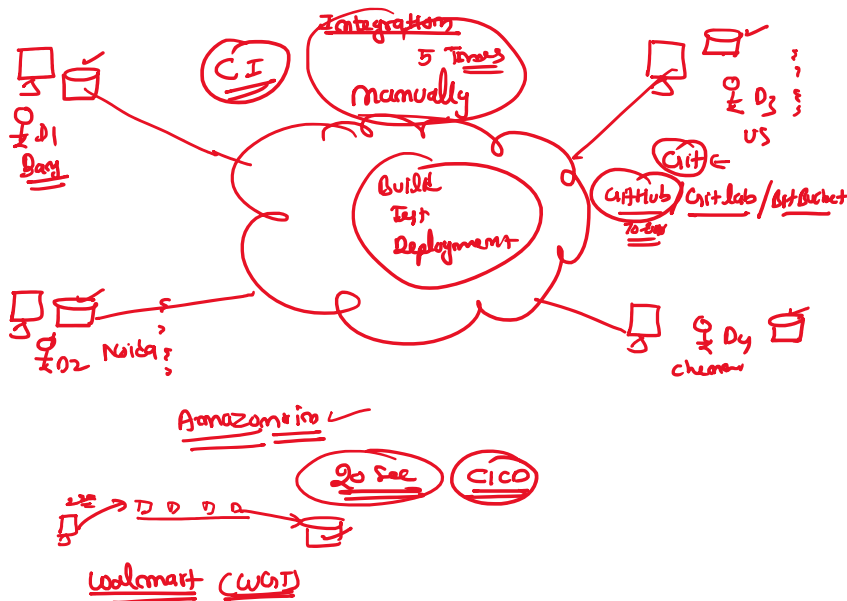
DevOps Lifecycle



Break

90 min → 15 min Tea/coffee Break
1:30 - 1:35 → 60 min Lunch Break

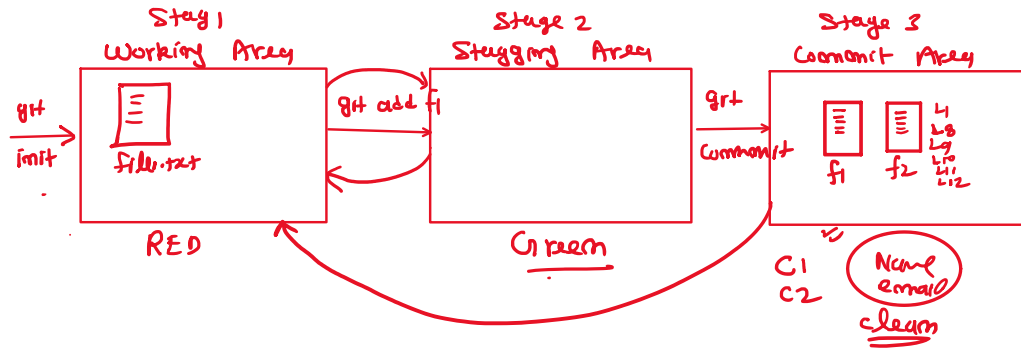
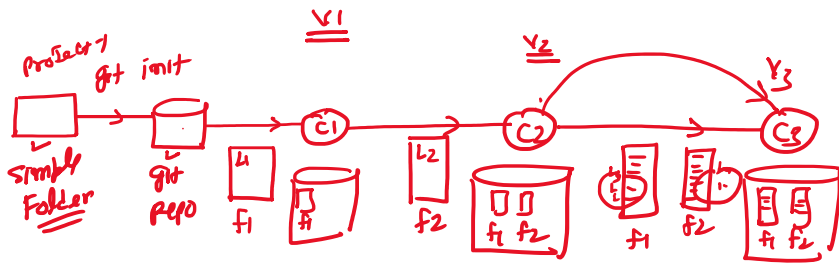
Animated Quiz 2 Quiz (5 mcqs)



Git → Client App (Local System) VCS

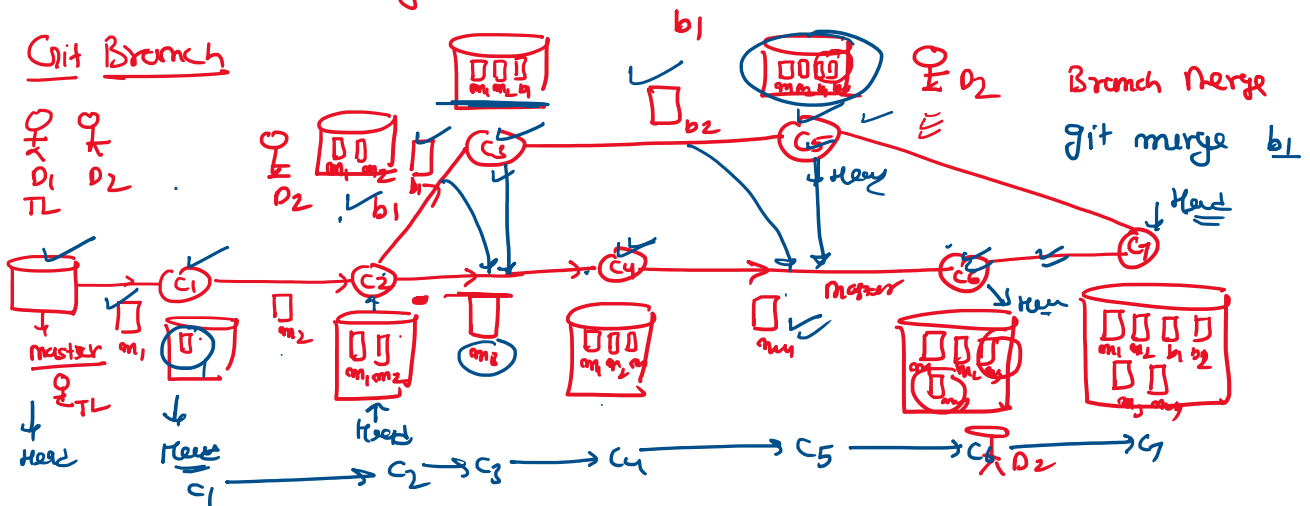
GitHub → web Portal (Code Integration)

Git (VCS)



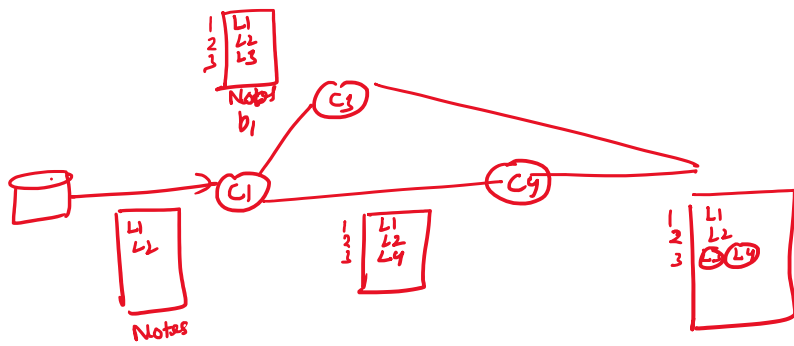
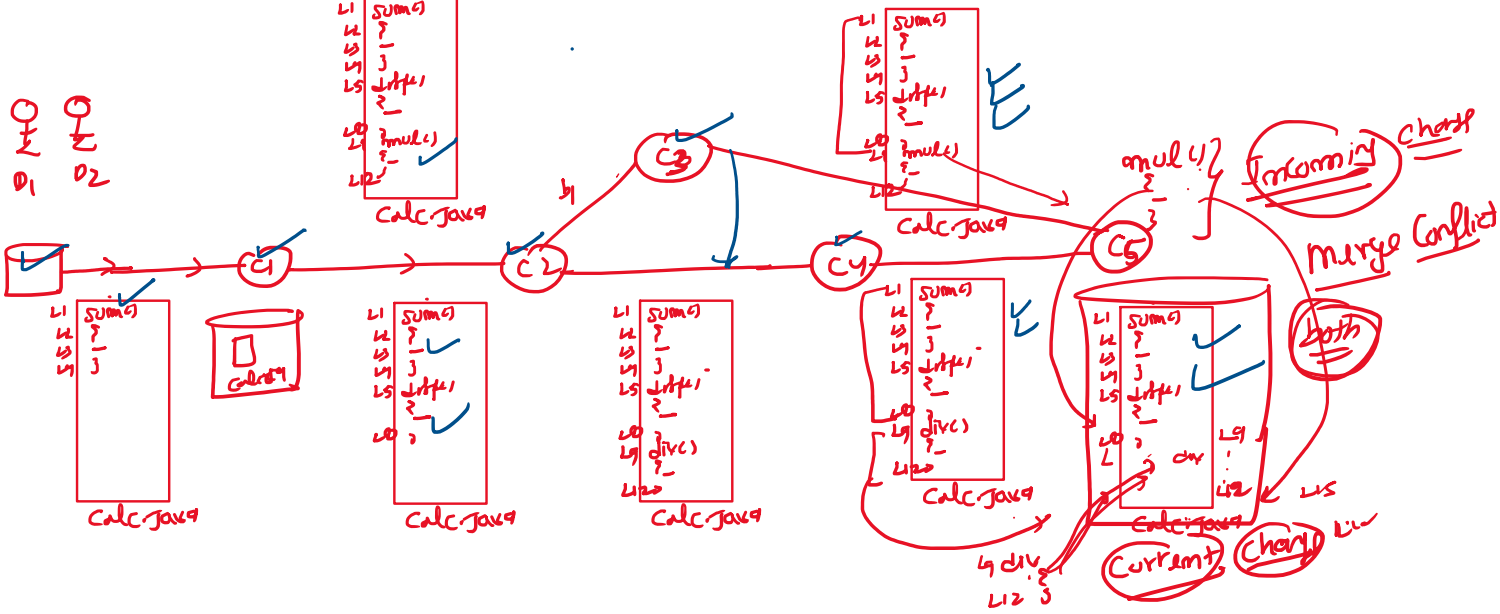
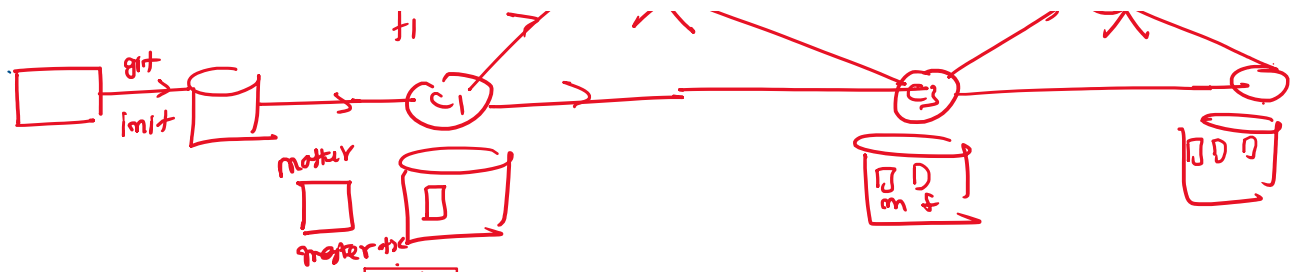
- ① Git init
- ② Git status
- ③ Git add
- ④ git commit
- ⑤ git log
- ⑥ git log --online

Git Branch

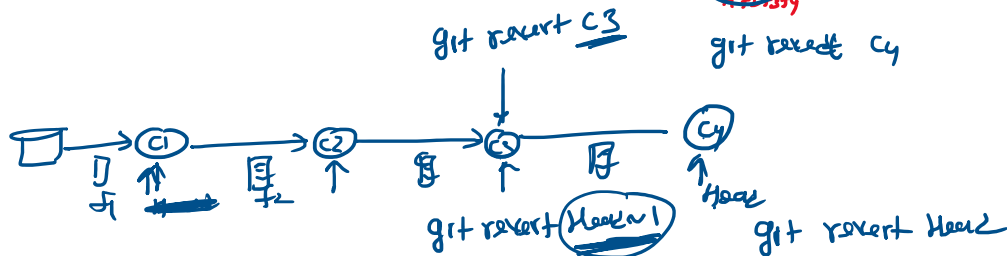
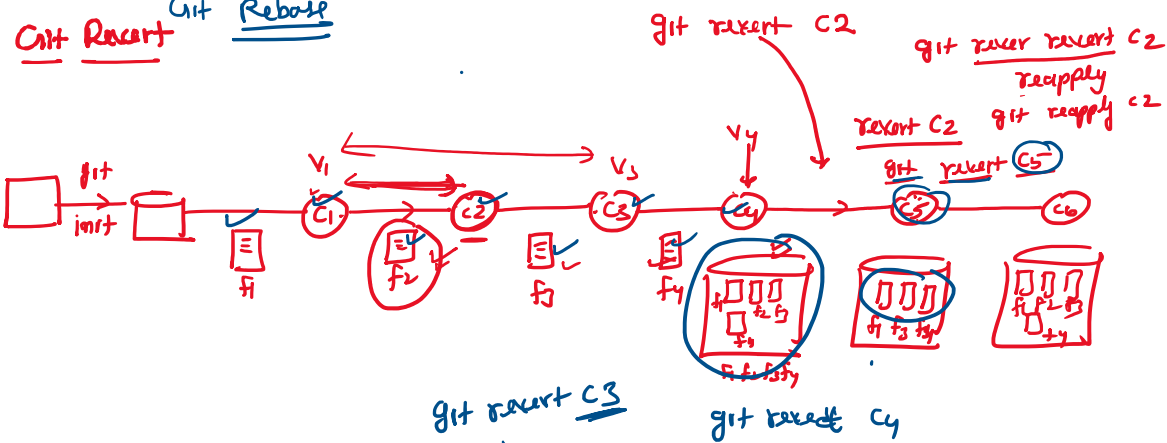


- 1- git branch
 - 2- git branch b1
 - 3- git checkout b1
- git checkout -b b1

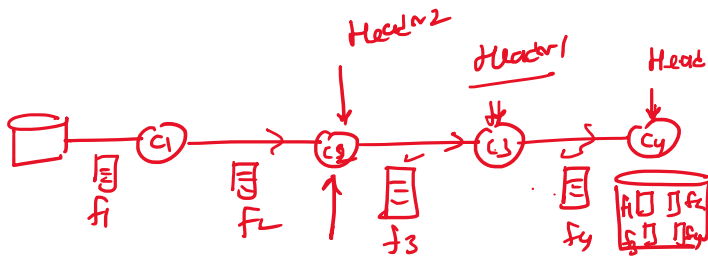




VCS
 Git Reset
 Git Rebase

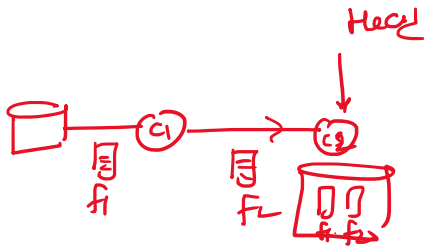


Git Reset

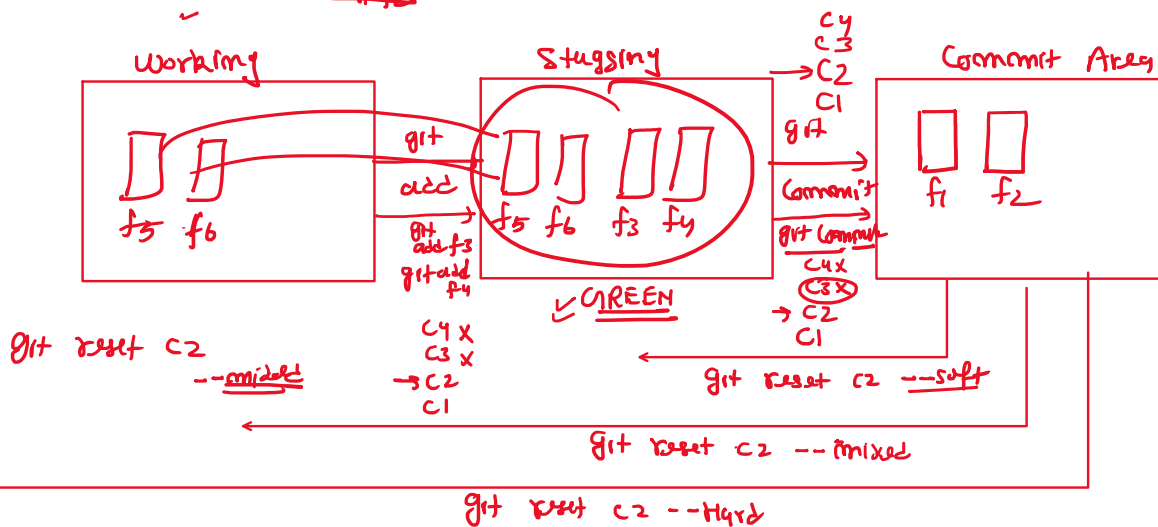


git ~~reset~~ c2 ~~--hard~~

Critical

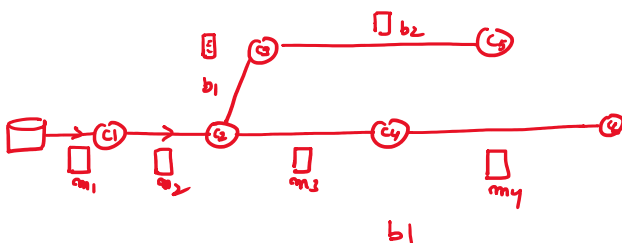


reset —
 --soft Less strict
 --mixed More strict
 --hard Full strict
 Commit will be deleted



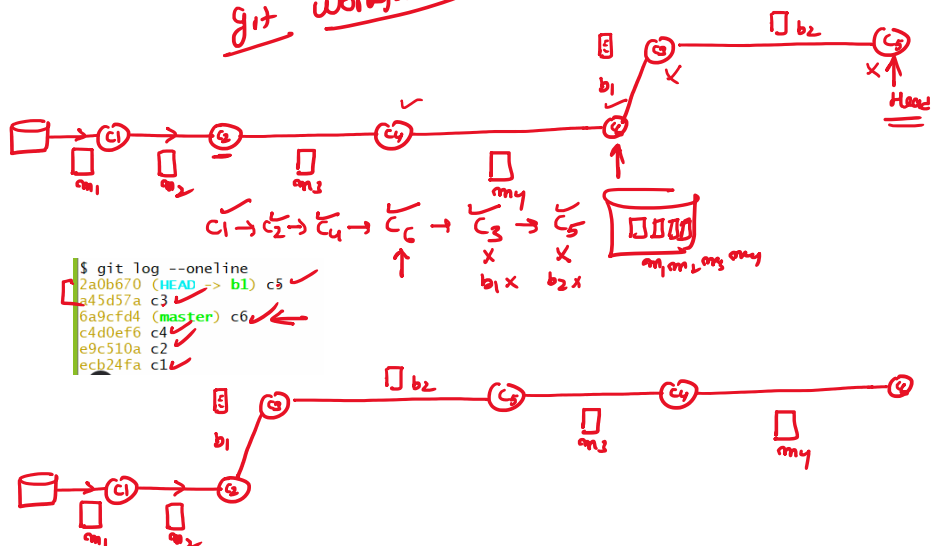
LAB TIME: 5 MINS
 TEA BREAK: 15 MINS
 WILL RESUME BACK: 3:45

Git Rebase / Git Merge (Branch Based)



[illegible]

git workflow



- git init
- git status
- git add
- git commit
- git log
- git log --oneline
- git merge
- git rebase
- git revert
- git reset

Soft
mixed
hard



The diagram illustrates the workflow of a distributed version control system (DVCS) like Git, showing the interaction between a local repository, a remote repository, and a central DVCS server.

Local Repo: A user's local workspace. It contains a commit (D1) and a branch (sum.c). The user can push their local changes to the Remote Repo or pull the latest changes from GitHub.

Remote Repo: A central server (DVCS) that stores the code. It contains a commit (D1) and a branch (sum.c). The user can push their local changes to the Remote Repo or pull the latest changes from GitHub.

GitHub: A cloud-based repository. It contains a commit (D2) and a branch (sum.c). The user can push their local changes to GitHub or pull the latest changes from GitHub.

Workflow:

- The user pushes their local commit (D1) to the Remote Repo.
- The Remote Repo pushes the commit (D1) to GitHub.
- GitHub pushes the commit (D2) to the web portal.
- The user pulls the latest changes from GitHub back to their local repo.
- The user clones a repository from GitHub to their local machine.

The DVCS server acts as a central hub for all repositories, allowing users to push, pull, and clone code.

