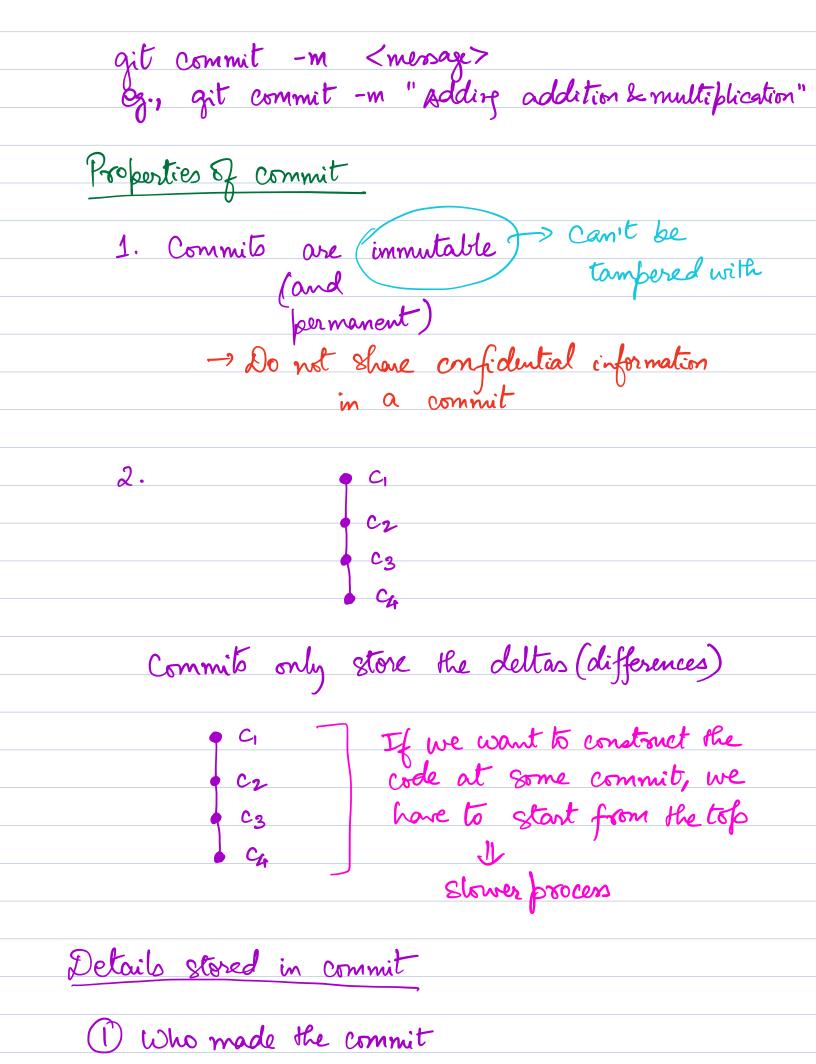
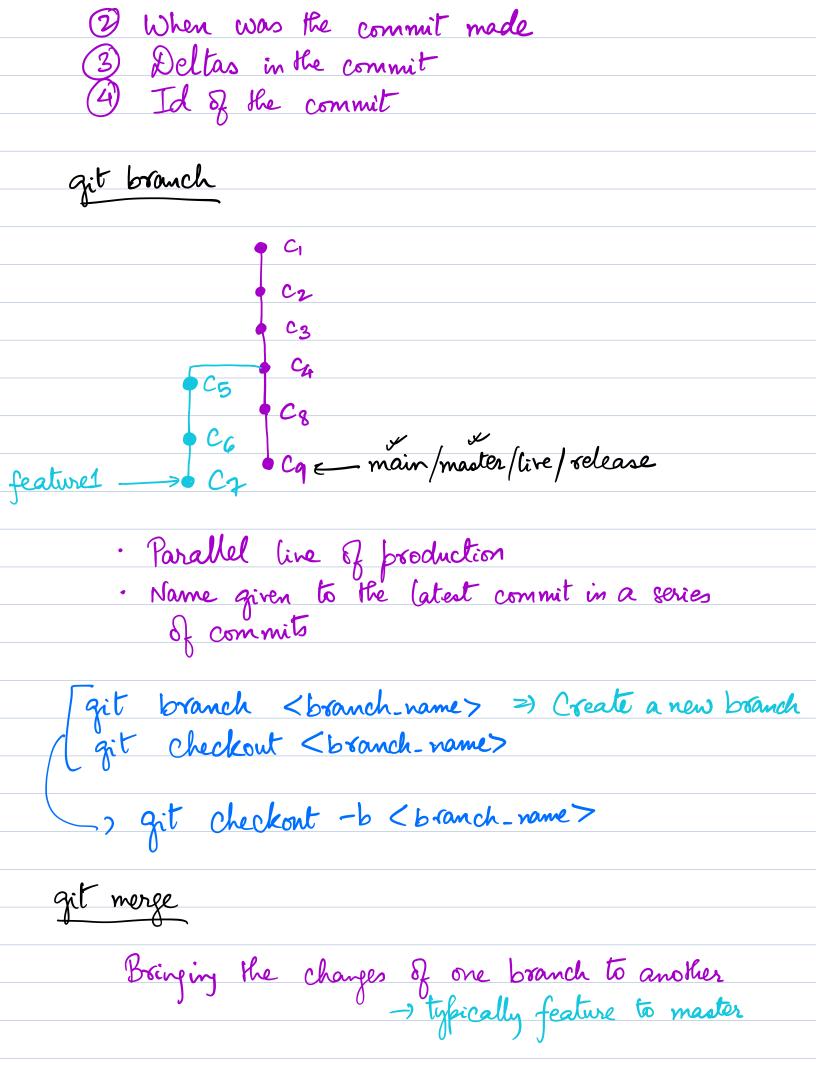
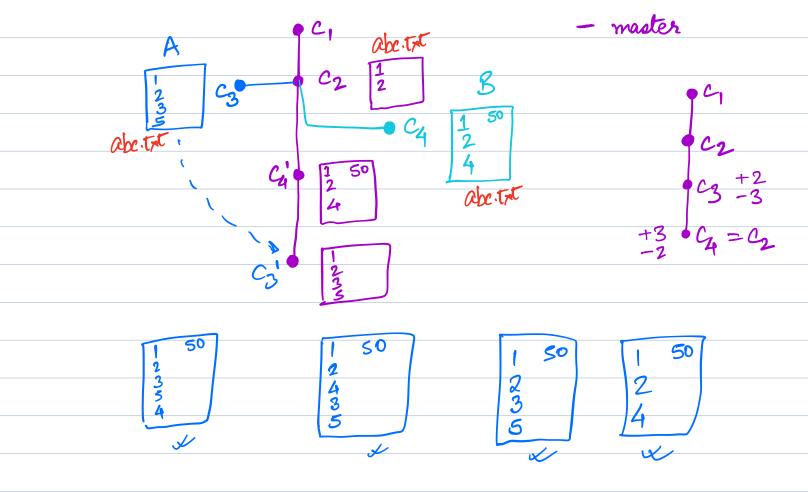
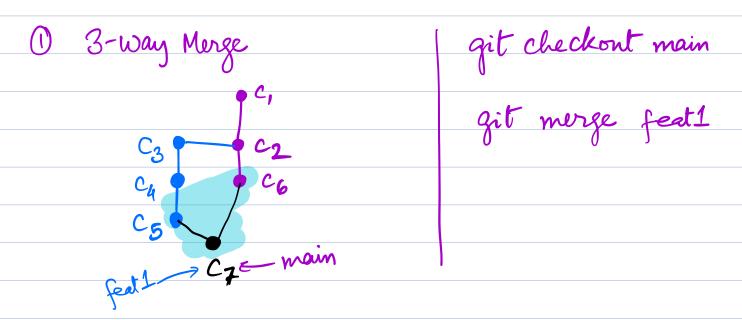
Agenda git init git commit git branch git merge git rebase git ivit "git init" Parent 4 Child 1 git repository Lo Child 2 -> Subchild txt 5, git git commit Commit => Save 1. git add <file1> <file2> <file3>
eg., git add addjava mult.java 2. git commit -> Add all the files that are modified to the staging area git add.







Types of Merge

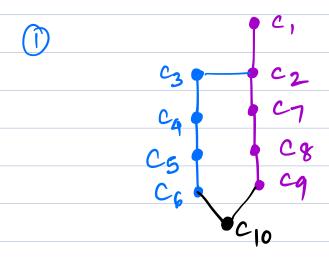


2 Fast-forward merge

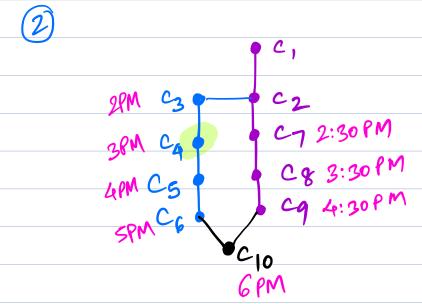
Co feat 1 -> Co

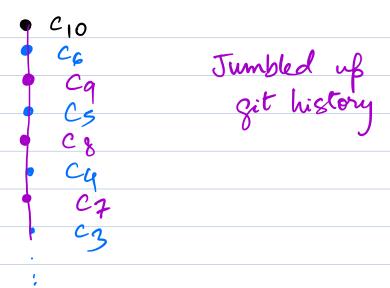
- · Main should not have any connuit from the time the feature branch was checked out to the time it was merged to main
- · Main Should be an ancestor of feature

Problems with 3-way merge



Many merge conflicts

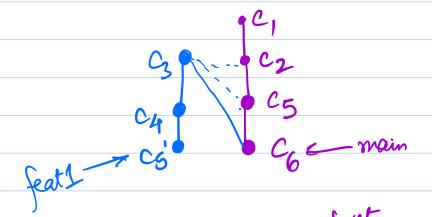




Big Idea

- 1) FF Merges are ideal 2) Cleaner git history

git rebase



changing the sparent of the feature branch after it was checked

to the latest commit of main/master branch.

git checkout feat 1

git rebase main

Tait Checkont main you can do it after the

git merge feat! feature work is complete

Advantages of rebase

- 1 Lesser merge conflicts
 2 Cleaner git history

Tips to rebase

- 1) Rebase frequently, ideally twice a day 2) Rebase before merge