Start at 9:10PM

Solutions

Agenda
1. Git Remotes
→ 2. Basic Command line
3. Project Overview
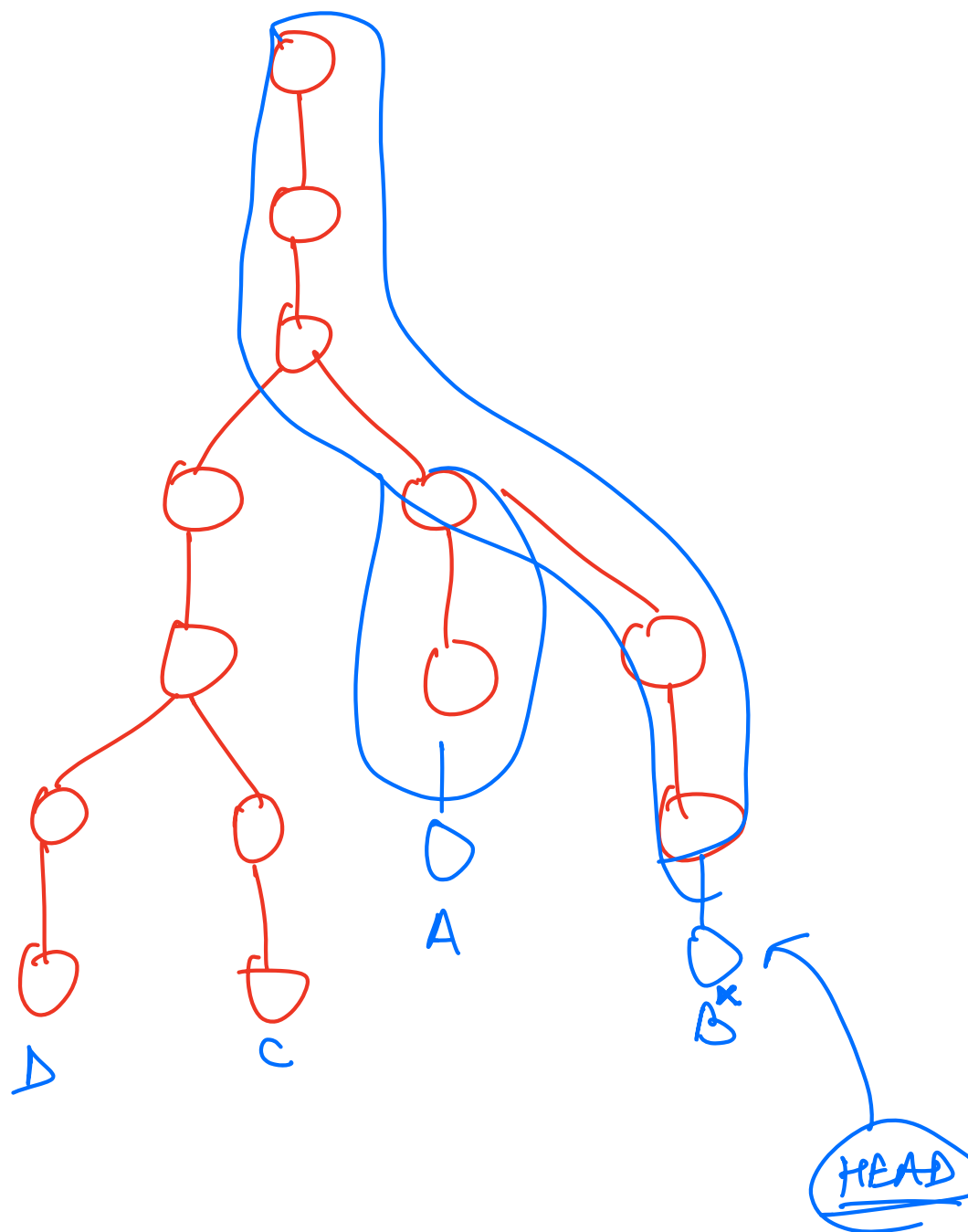
Git

CL ⟹ Changelist

1. HEAD
2. how to work with remote repo
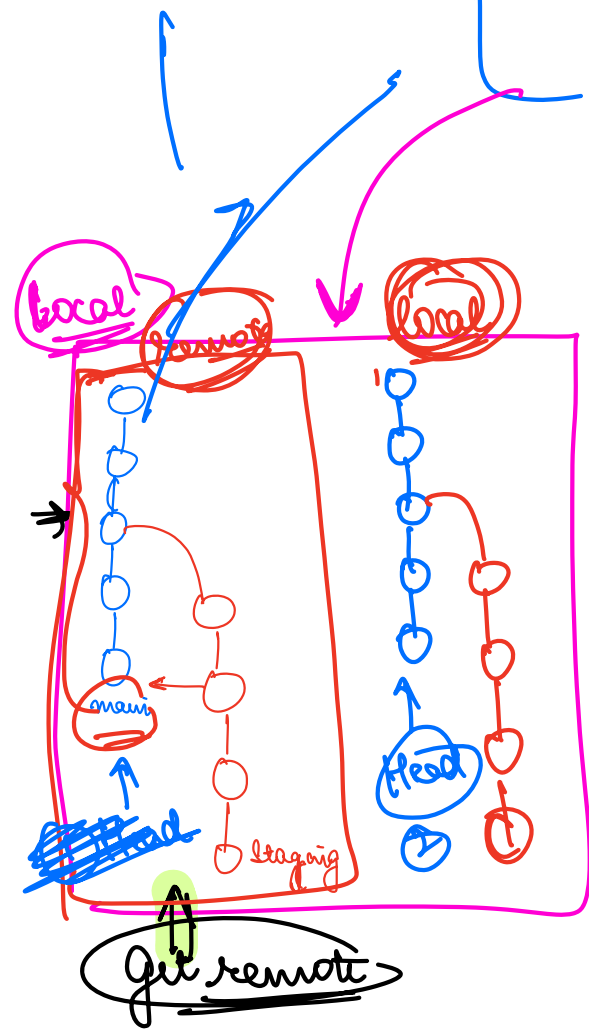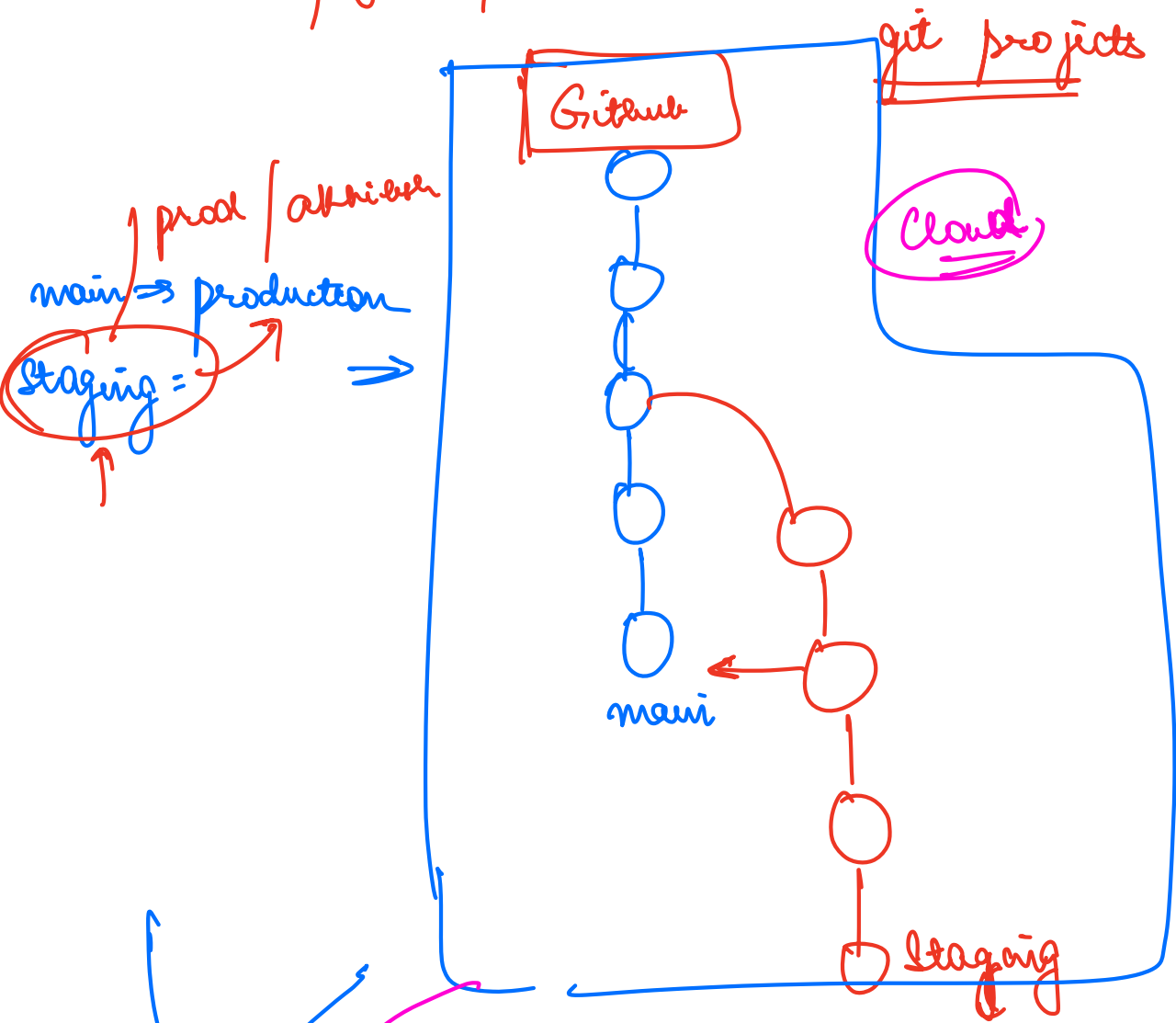3. Github Pull Request.
4. git Cherry - Pick

Head ⟹ pointer to the latest commit
in my current working tree
Current active branch

A

C

D

B ×

HEAD

bitbucket / gitlab / Github => allows to store git projects

Github

Cloud

prod / akhiew
main => production
Staging =

main

Staging
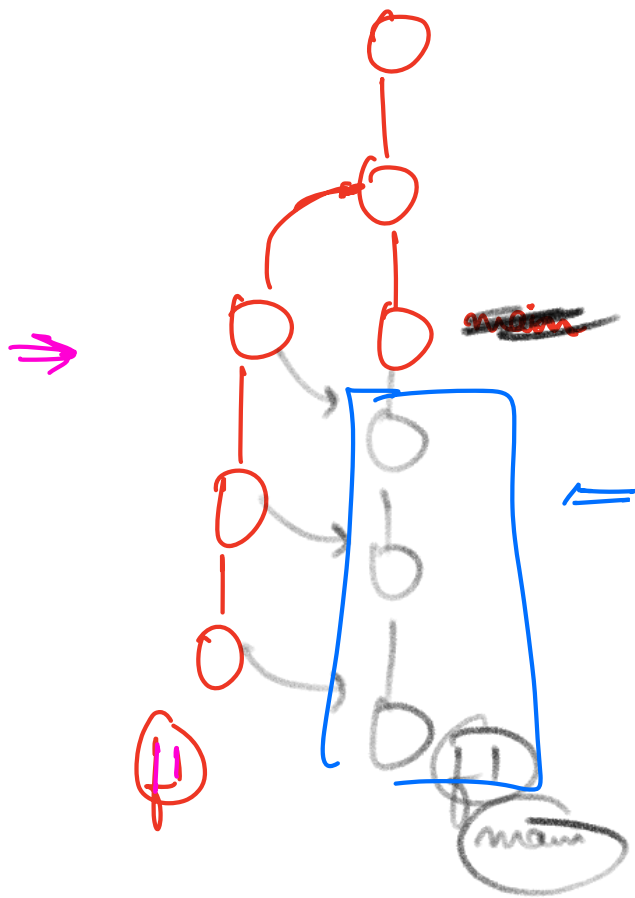
when you start working on a branch of a remote repo.

git checkout main

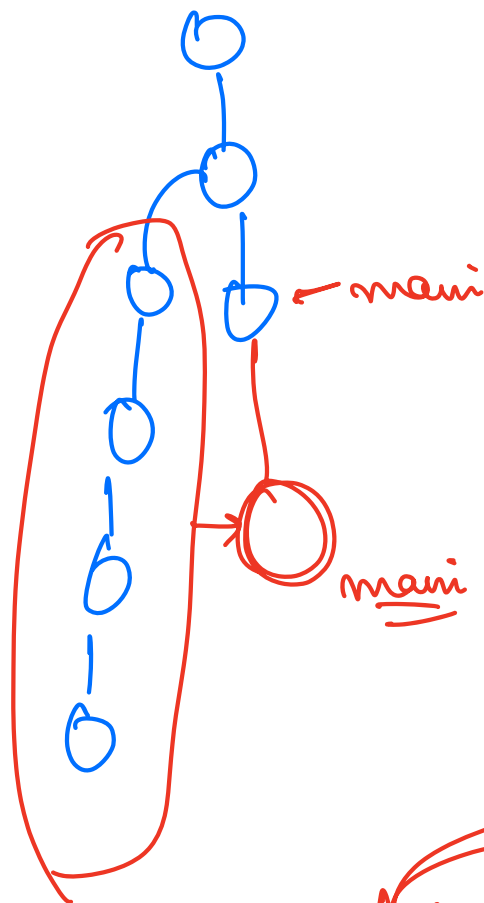=> git creates a copy of that history and makes your Head point to a detached state

local
remote

main

staging

Head

git remote

this working tree
is pointing to
a copy of something
that is on cloud

Squash and merge

Consolidate all these Changes into 1. Comm

main

main

Release and Merge

Git Fetch
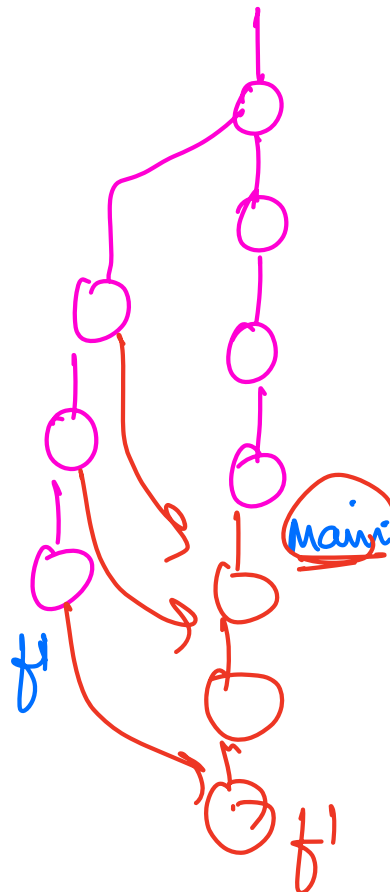Git Pull

-- Rebase

Git Cherry-pich

10: 53 PM

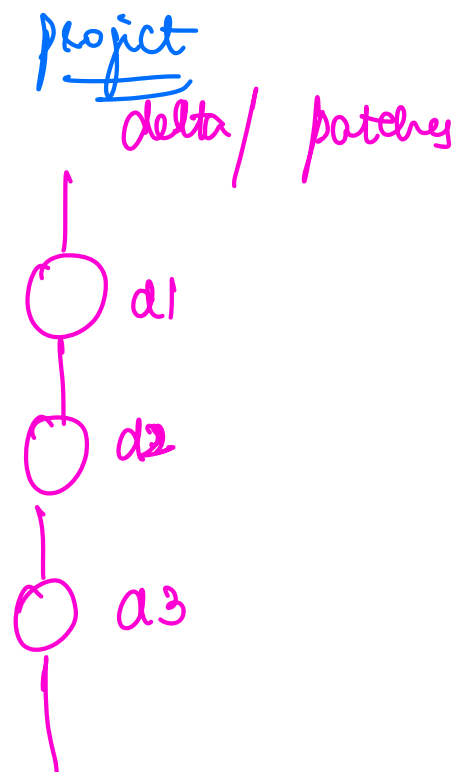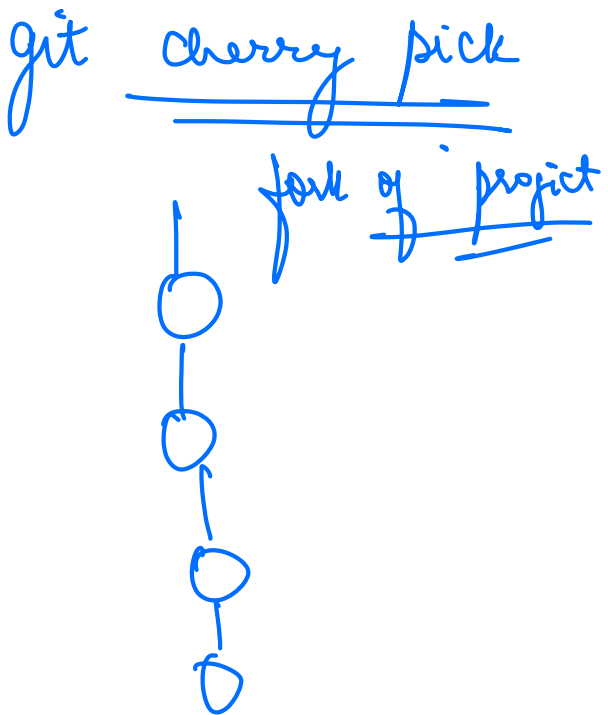① | Fetch → Rebase
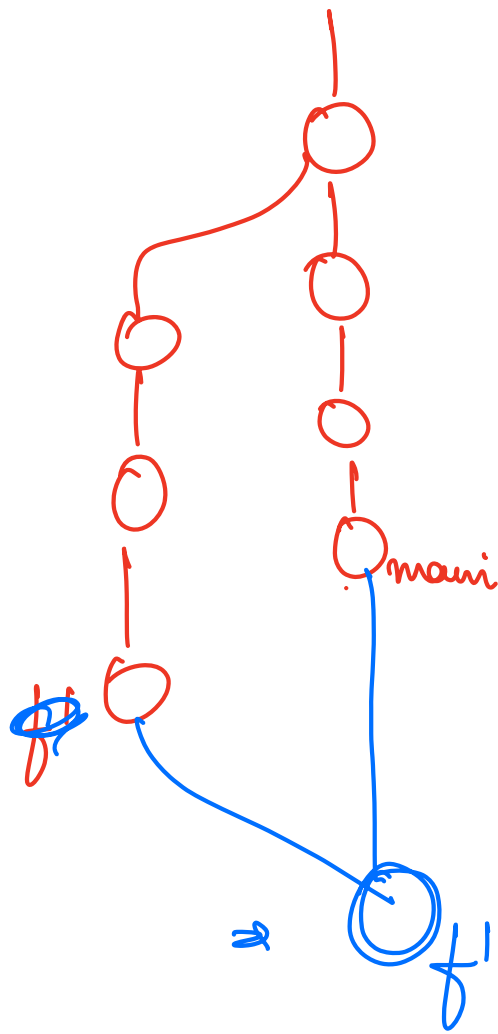
② | git pull --rebase

| (Fetch) + (Rebase)

| git pull --rebase

Main

f'

f'

| git pull ⟹ | Fetch + Merge

--rebase → Fetch + Rebase + Merge

main
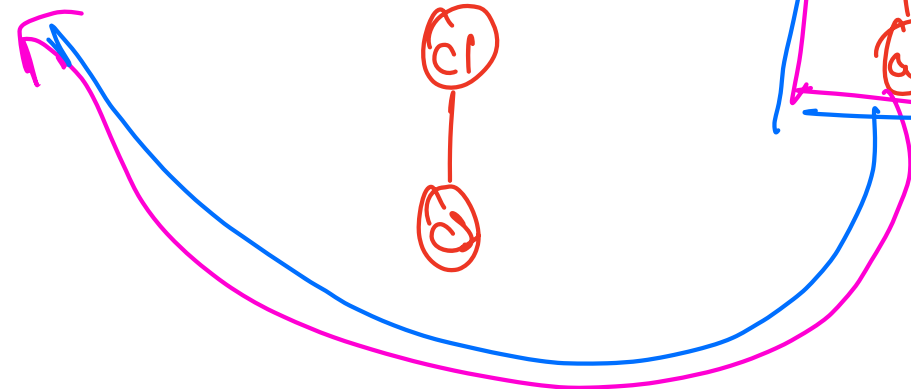
f

→ f'

git cherry pick
———————
fork of project

project
———
delta / patches

d1

d2

a3

Aditya
(facebook)

Naman
(Googles)

Sheetal
(Spotify)

git cherry-pick

FB
fb

Spotify

a1

a2
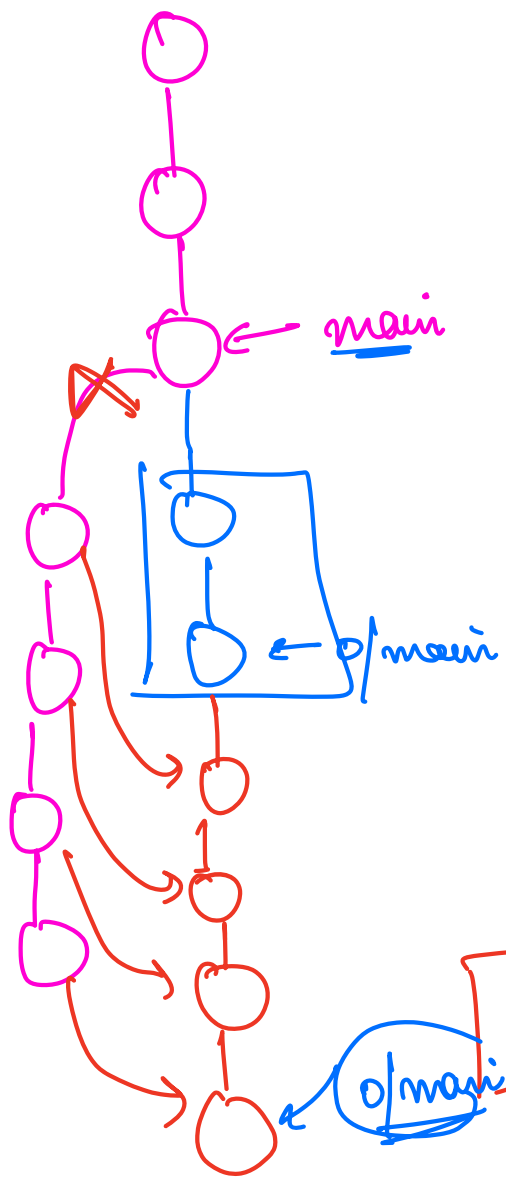
a3

a1
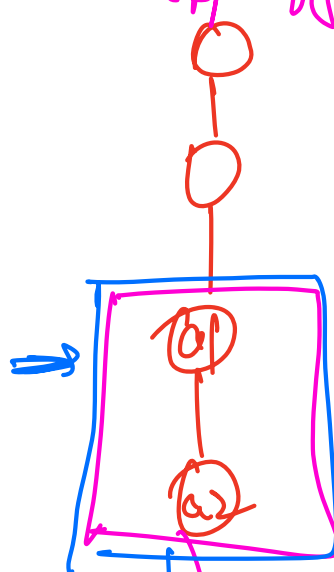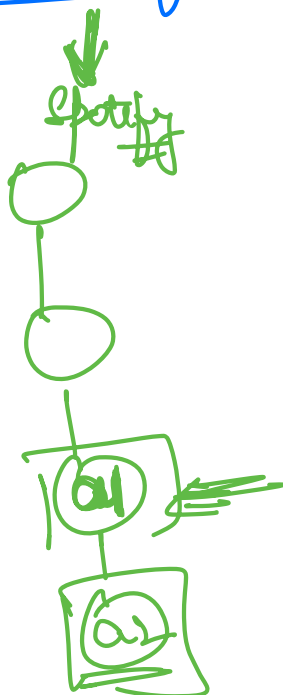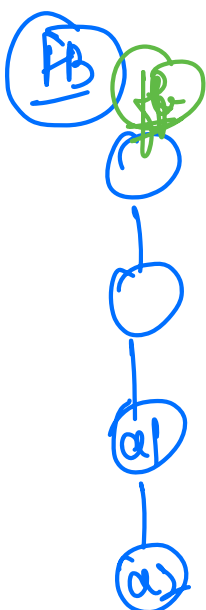
git cherry-pick a1

(a) git cherry-pick a2

→ Get the patch of the commit

→ Try to apply that on how my project currently looks like

→ If successful ⟹ ✓

→ else: Merge conflict.

main

feature i* →

o/main

git fetch

git rebase o/main

exactly
same

git pull (-- rebase)

o/main

git push -u origin feature1: main

cd
mkdir
ls
man