git merge

developer: Rohit

Login branch

Otpbranch

a4   a5

git merge
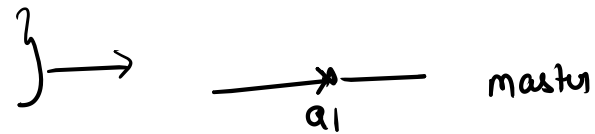
a2   a3   a6   a6

a1

master
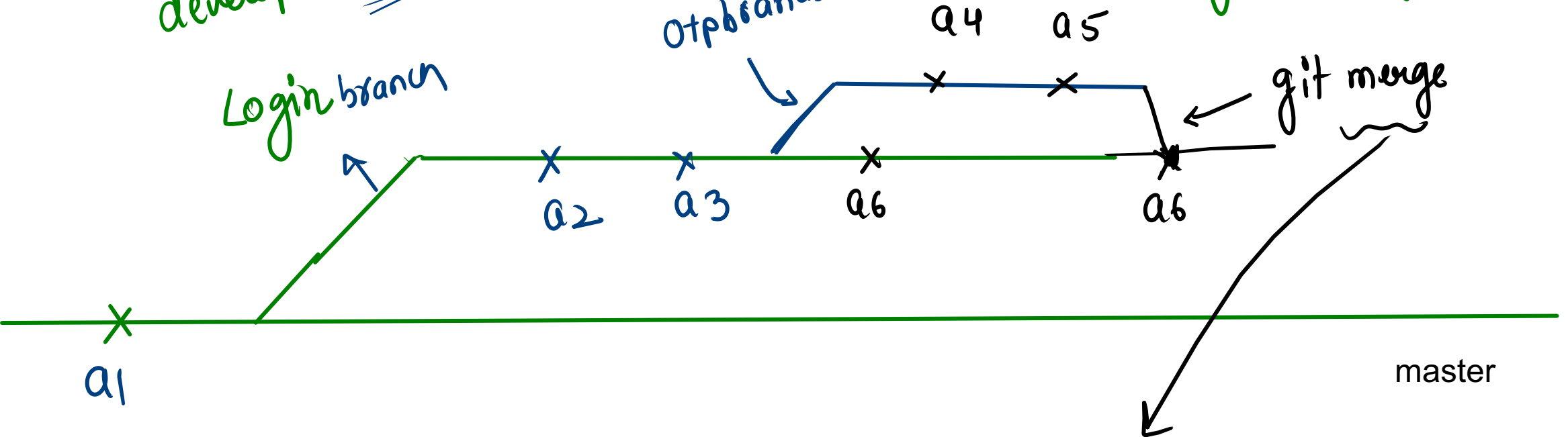
Whatever Rohit have performed in Otp branch will be integrated in in login Branch.

Create a new folder & open git bash
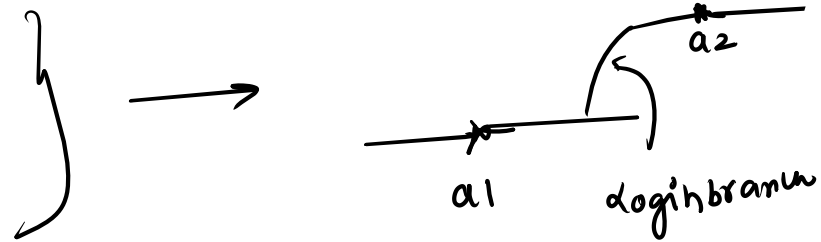
```
git init
touch filea1
git add filea1
git commit -m"a1"
####
git branch login-branch
git checkout login-branch

####
touch filea2
git add filea2
git commit -m"a2"

####

git branch otp-branch
git checkout otp-branch
touch filea3
git add filea3
git commit -m"a3"
#######
git checkout login-branch
touch filea4
git add filea4
git commit -m"a4"
####

We need to now merge the code
git merge otp-branch
vi editor will open
write a5
press esc :wq

git log --oneline --graph
```
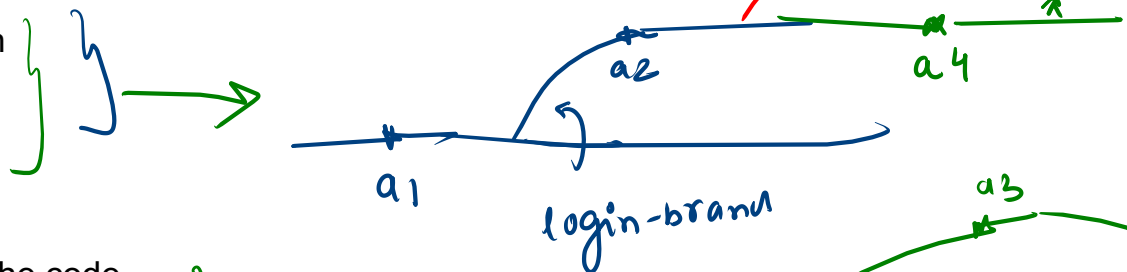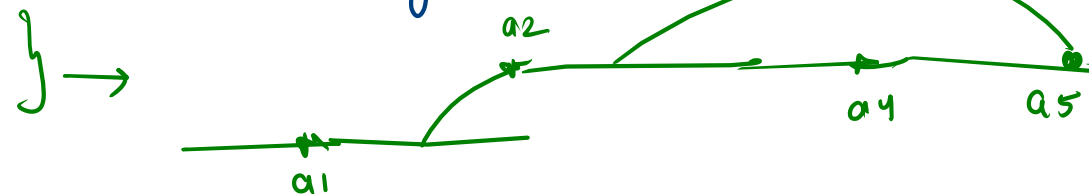

Diagram showing git branching:
- master branch with commit a1
- login-branch created from a1
- a2 commit on loginbranch
- otp-branch (blue) with a3; otp-branch (red) with a3; a4 (green)
- login-branch (blue) with a1, a2
- merge showing a1, a2, a3, a4, a5 (green)