

GIT CLASS-02

SOME REAL-TIME USE CASES IN GIT

SCEANARIO-1:

When we have 5 files that we have to commit at a time (all files will be under single commit), but by mistakenly I committed 4 files at a time, if I commit the 5th file again I will get 2 commits, but I need only 1 commit under 5 files.

Sol: `git commit --amend --no-edit` : this command is used to add the file to the latest commit.

Note: Here already committed files will not add to new commit .

SCEANARIO-2:

When i committed a file with wrong message. Now i want to edit those message to my latest commit.

Sol: `git commit --amend -m "message"` : To modify the message of latest commit.

SCEANARIO-3:

While working with the git, initially i forgot to configure myself in git and then i committed a file later i have seen that author is root. So i configured myself in git using `git config` command anyhow still it shows the root as author name. Now its time to change the author of my latest commit from root to my name:

Sol: `git commit --amend --author "username <email>"` : To change the author of latest commit

GIT RESET COMMANDS:

These reset commands are used to delete the commits in GIT.

To delete the commits along with the changes: **git reset --hard HEAD~1**

To delete only commit : **git reset --soft HEAD~1**

(Or)

git reset commit_id : to delete commits

to delete all commits at a time : **git update-ref -d HEAD**

RESTORE DELETED COMMITS :

By mistakenly i deleted some commits, now i want to get back those commits along with actions, here is the process

1. firstly we have to check the history of commits : **git reflog**
2. and select commit-id that you want to get back
3. **git cherry-pick commit-id** : used to restore deleted commit