

Amending GIT commit or change commit for new changes with most recent changes :

```
Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git status
On branch master
nothing to commit, working tree clean

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ ls
file1.sh file2.sh file3.sh file4.sh

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git log --oneline --decorate --graph --all
* b06f131 (HEAD -> master) This is first version of code

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ vi file1.sh

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git commit -am "modified file1.sh"
[master 829311b] modified file1.sh
1 file changed, 1 insertion(+)

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git log --oneline --decorate --graph --all
* 829311b (HEAD -> master) modified file1.sh
* b06f131 This is first version of code

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ vi file2.sh

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git add file2.sh

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git commit file2.sh --amend --no-edit
[master 41863af] modified file1.sh
Date: Tue May 29 04:31:33 2018 -0700
2 files changed, 2 insertions(+)

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git log --oneline --decorate --graph --all
* 41863af (HEAD -> master) modified file1.sh
* b06f131 This is first version of code

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ vi file3.sh

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git add file3.sh

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git commit file2.sh --amend
[master c5cd0f9] modified file1.sh file2.sh file3.sh
Date: Tue May 29 04:31:33 2018 -0700
2 files changed, 2 insertions(+)

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
$ git log --oneline --decorate --graph --all
* c5cd0f9 (HEAD -> master) modified file1.sh file2.sh file3.sh
* b06f131 This is first version of code

Home@Welcome MINGW64 /c/gitrepos/Reset (master)
```

First time I was give no edit for commit message so that message is same but commit id has been attached with second file modification as well. Second time I have not given no edit so am able to modify commit message as well and commit id as well.

This can help us after comminting old changes also we can add new changes which were just staged those changes can be attached to most recent commit id.

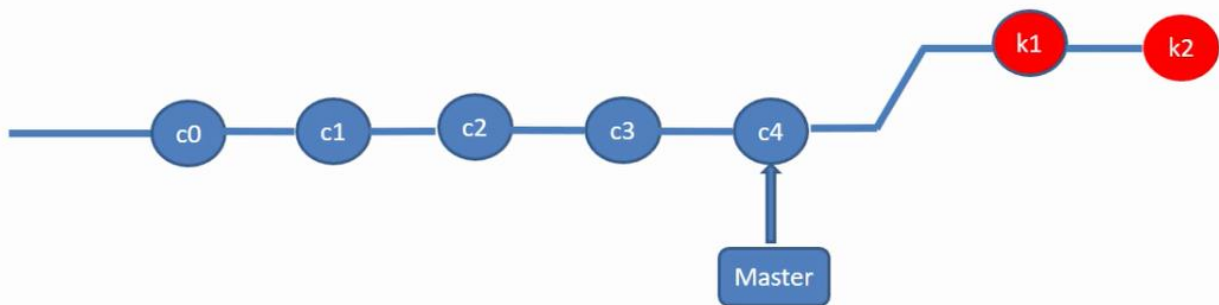
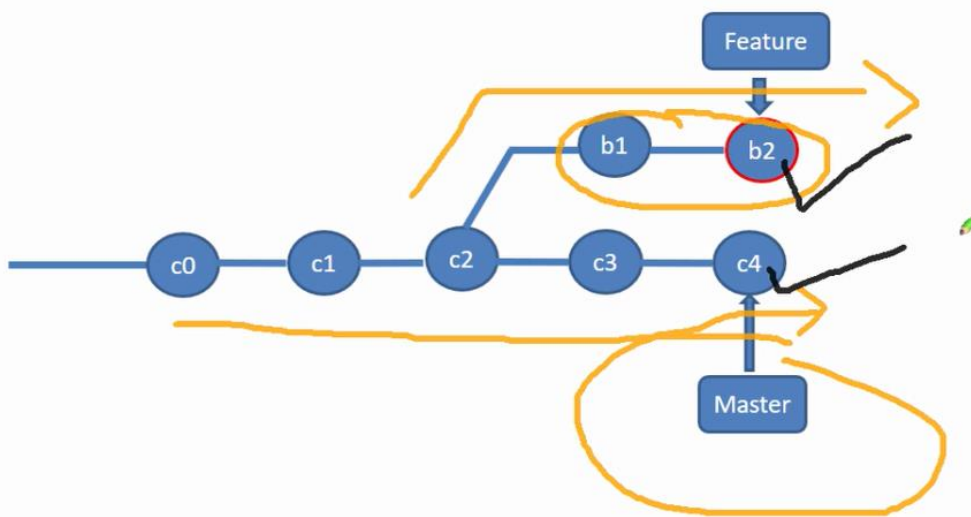
## Rebase :

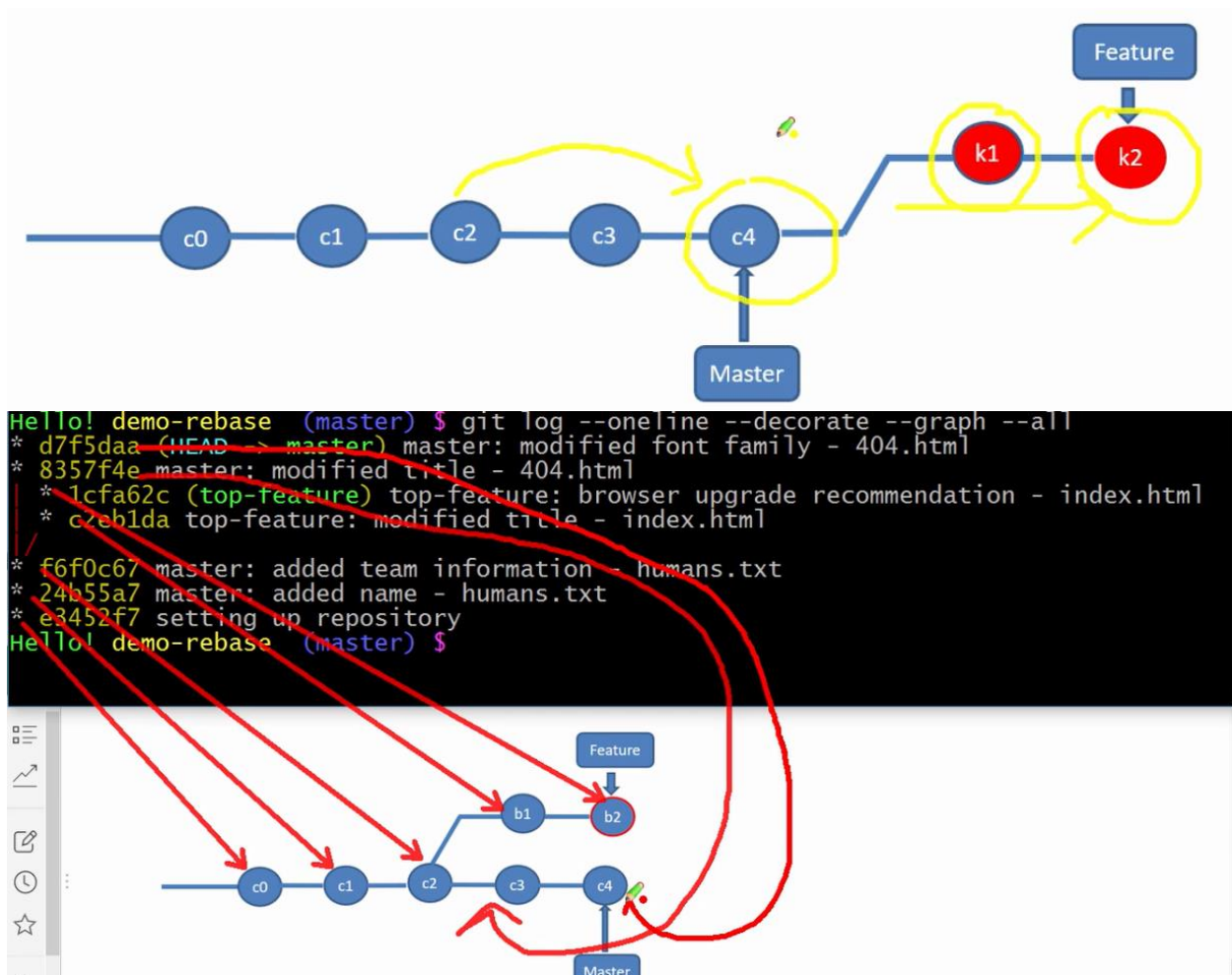
What is a Rebase ?

Rebasing is process of moving a branch to new base commit.

So Rebasing is just changing the Base of a branch in single word.

# Rebasing





git checkout <top-featurebranch>

git rebase master

git log --oneline --decorate --graph --all

git checkout master

git merge top-branch