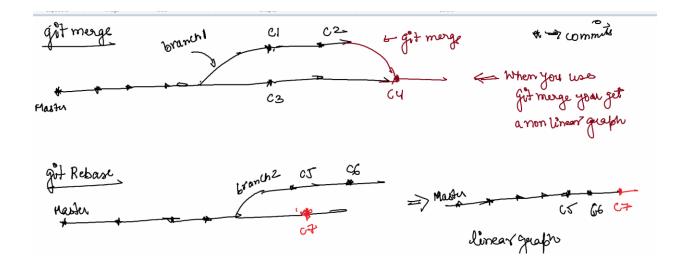
# GIT Lab: use of git merge command



##

git branch

(ensure that you are on the branch1 only )

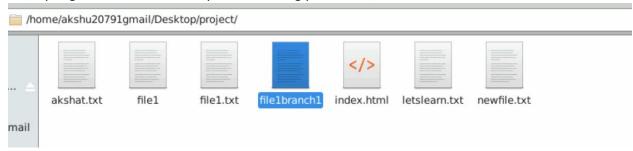
touch file1branch1

git add.

git commit -m"c1"

```
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ touch file1branch1
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git add .
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git commit -m "c1"
[branch1 0fa0ab9] c1
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file1branch1
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$
```

## So, if you go to the folder where you are working you will see,



Now lets checkout to master branch and see if this file1branch1 Is present or not?

It will not be there because since I have committed the file in branch1 it belongs to branch1 not the master ...and branches are isolated with each other

git checkout master

ls

(you will see that file1branch1 is not present)

git checkout branch1

ls

(you will again see file1branch1 as we are in branch1)

### Lets now create c2 commit as well

touch file2branch1

git add .

git commit -m"c2"

```
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$

* branch1
master
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ touch file2branch1
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ ls
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git add .
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git add .
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git commit -m"c2"
[branch1 392de7c] c2
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file2branch1
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$
```

Brain C till hur we have done

Now we will move to master branch and create a commit c3 in master

# git checkout master

## git branch

```
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git branch
branch1
* master
```

## touch file1master

### git add .

## git commit -m"c3"

Now we have structure like:

C1

C2

C3

Maska

Now we need to merge the master and the branch1 to create a c4 commit ...

## git merge branch1

(we should be in the master to run the above command)

#### A NANO TERMINAL WILL OPEN IN FRONT OF YOU:



## Delete the existing content and add c4 here

```
c4
#-Please enter a commit message to explain why this merge is necessary,
# especially if it merges an updated upstream into a topic branch.
#
Lines starting with '#' will be ignored, and an empty message aborts
# the commit.
```

Press ctrl O and then press ctrl X to come out of the nano file

## ## TO SEE THE LOGS IN GRAPH FORMAT:

git log --oneline --graph

```
File Edit View Search Terminal Help

akshu20791gmail@ip-172-31-83-7:~/Desktop/project$ git log --oneline --graph

* c09b882 (HEAD -> master) c4

|\
| * 392de7c (branch1) c2
| * 0fa0ab9 c1
* | eeb7137 c3
|/

* 621949d (origin/master) newcommit
* a29569a Create newfile.txt
* be314c6 second commit
* b686c43 first commit
```