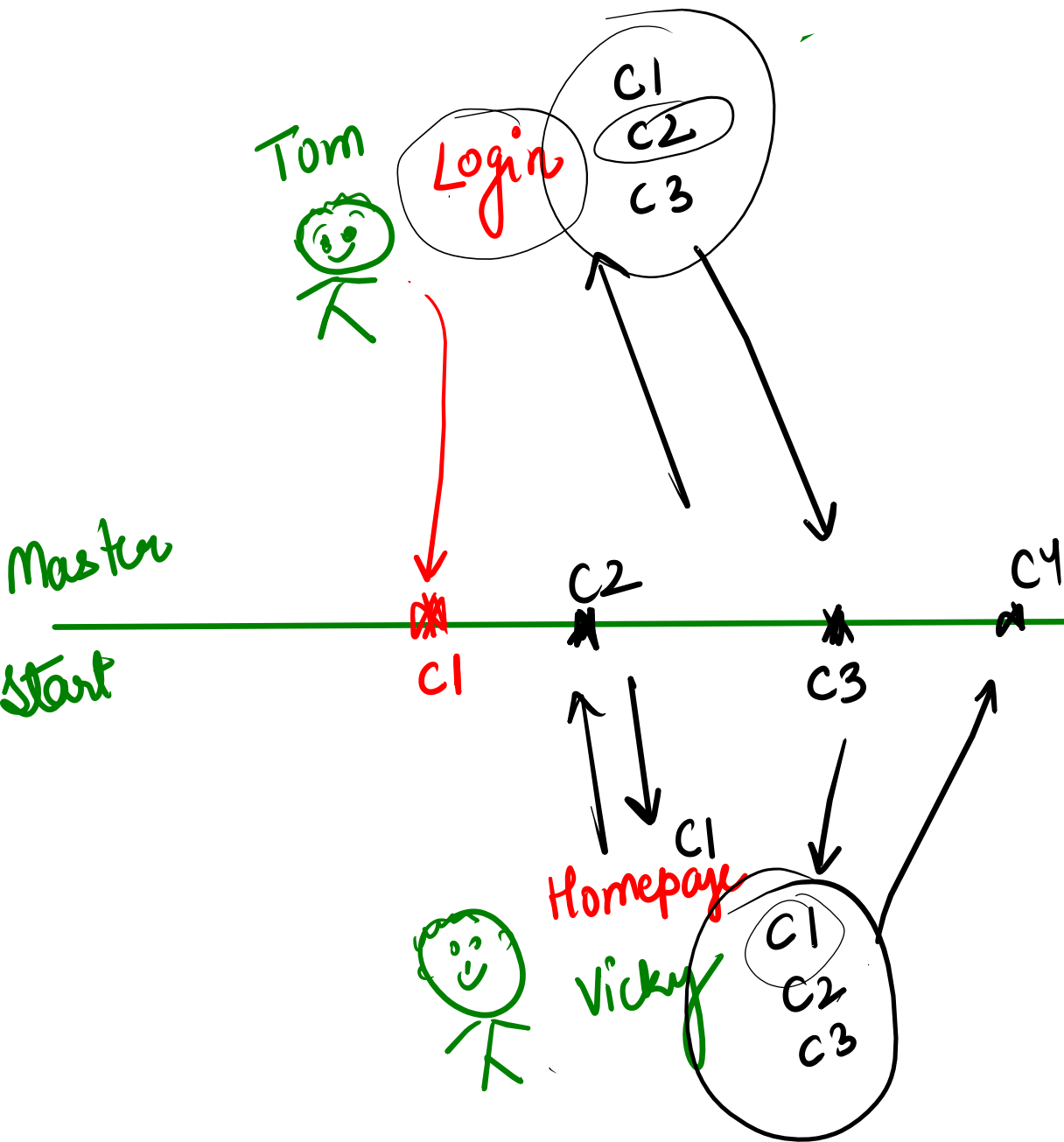
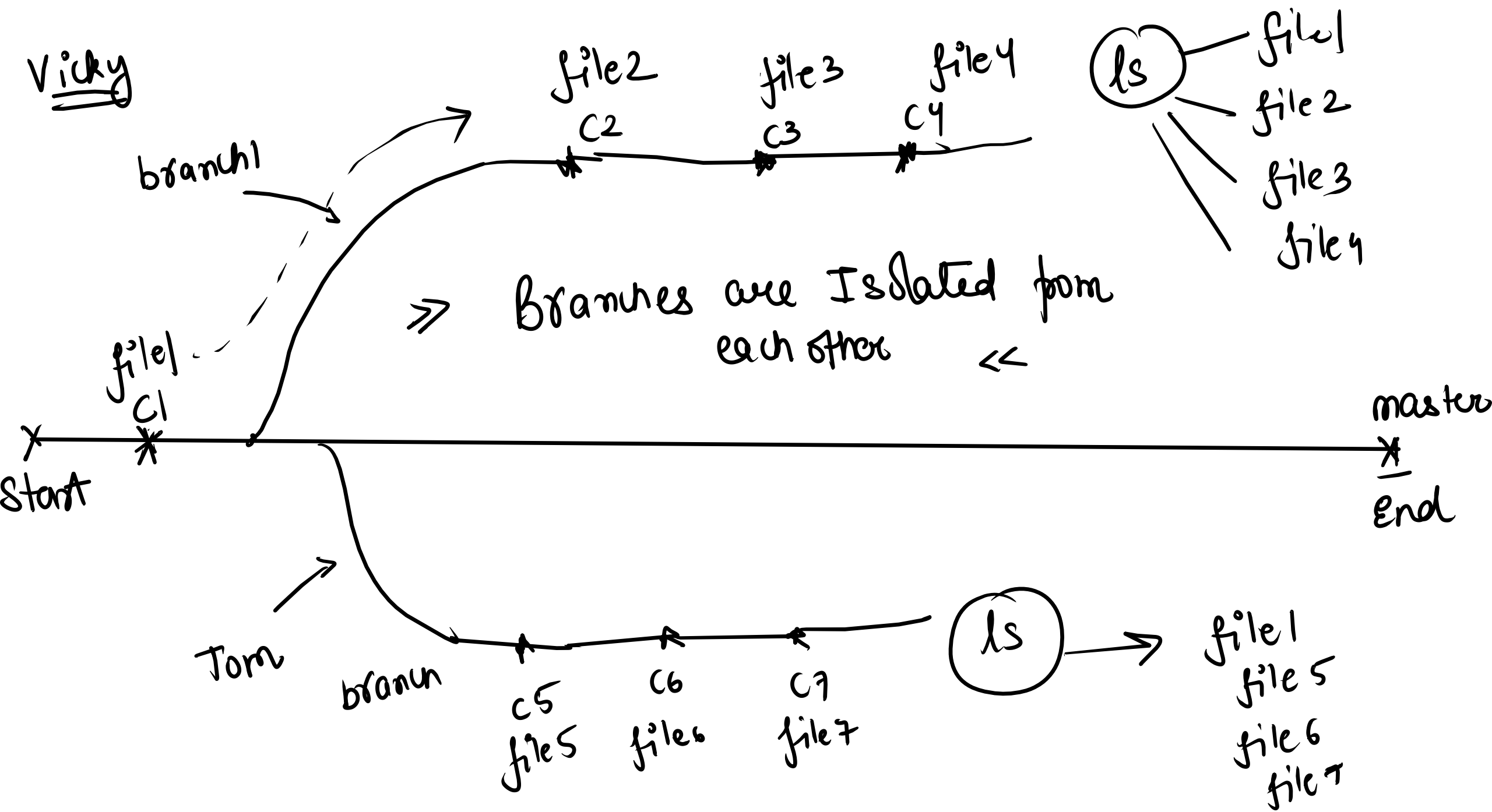


Branching Concepts in GIT

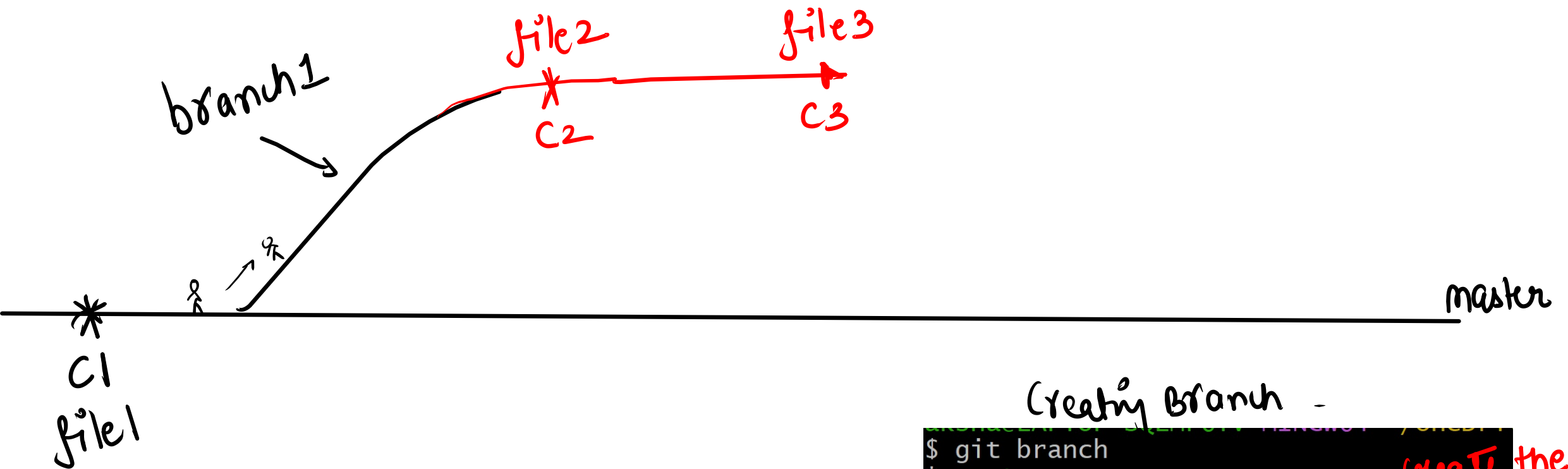


Whenever multiple developer works on the location they need to push & pull the code regularly. Which creates a lot of conflicts.

Vicky



① create folder — open gitbash — git init



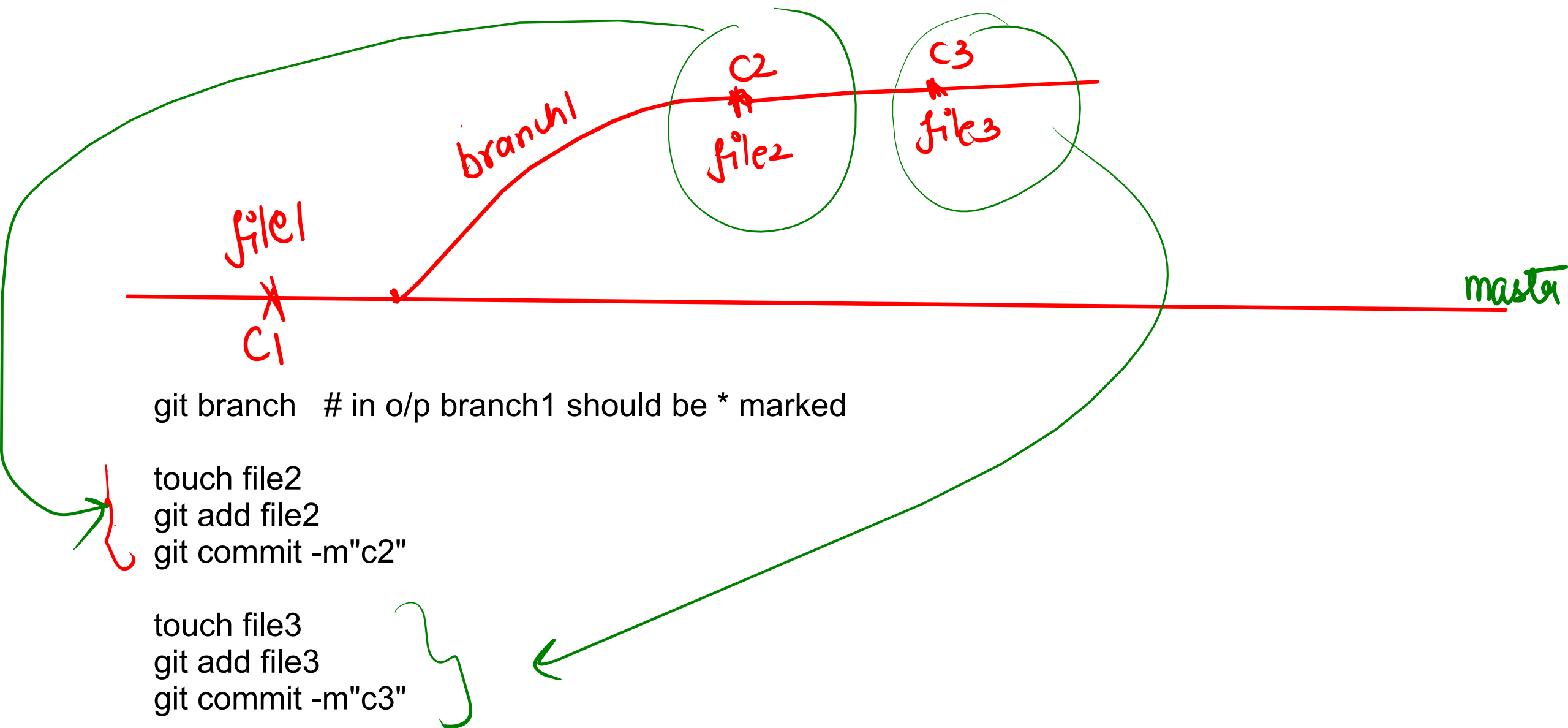
Creating c1

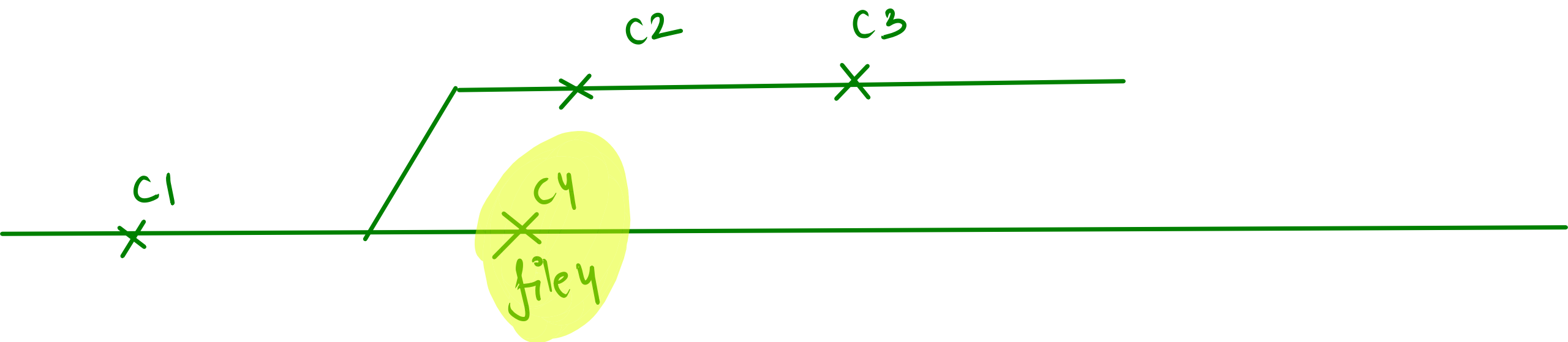
```
MINGW64: c:/Users/aksha/OneDrive/Desktop/git-branch
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch
$ git init
Initialized empty Git repository in C:/Users/aksha/OneDrive/Desktop/git-branch/
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch
$ touch file1
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch
$ git add file1
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch
$ git commit -m "c1"
[master (root-commit) 85b2868] c1
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file1
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch
$
```

Creating Branch -

```
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch
$ git branch
* master
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch
$ git branch branch1
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch
$ git branch
branch1
* master
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch
$ git checkout branch1
Switched to branch 'branch1'
```

create the branch





```
git checkout master
git branch # * should be on master
touch file4
git add file4
git commit -m "c4"
```

Go to github and create the repository

git remote add origin githubrepo

generate personal access token (PAT) with repo access

```
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch (master)
$ git push -u origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 392 bytes | 392.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/akshu20791/cb-website-sa
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branch (master)
```

lets assume developer is working on branch1

git checkout branch1

git push -u origin branch1

branch name

```
aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branc
$ git checkout branch1
Switched to branch 'branch1'

aksha@LAPTOP-SQEMF6TV MINGW64 ~/OneDrive/Desktop/git-branc
$ git push -u origin branch1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 388 bytes | 194.00 KiB/s, don
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'branch1' on GitHub by v
remote:      https://github.com/akshu20791/cb-website-sa/p
remote:
To https://github.com/akshu20791/cb-website-sa
 * [new branch]      branch1 -> branch1
branch 'branch1' set up to track 'origin/branch1'.
```

cb-website-sa Public

branch1 had recent pushes 32 seconds ago

master 2 Branches 0 Tags

Switch branches/tags

Find or create a branch...

Branches Tags

✓ master

default

branch1

c1

c4