

# Merge, (การรวมกิ่ง)

Ref:

- ❑ <https://blog.pjjop.org/version-control-and-git-from-zero-to-hero-part-6/>
- ❑ <https://medium.com/amiearth/มาทำความรู้จัก-git-branch-560c23e67eb6>
- ❑ <https://github.com/opendream/progit/blob/master/03-git-branching/01-chapter3.markdown>
- ❑ <https://www.somkiat.cc/git-merge/>

# Graph (แสดงข้อมูลกิ่ง)

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



```
$ git log --oneline --decorate --graph --all
```

```
* c2b9e (HEAD, master) Make other changes
```

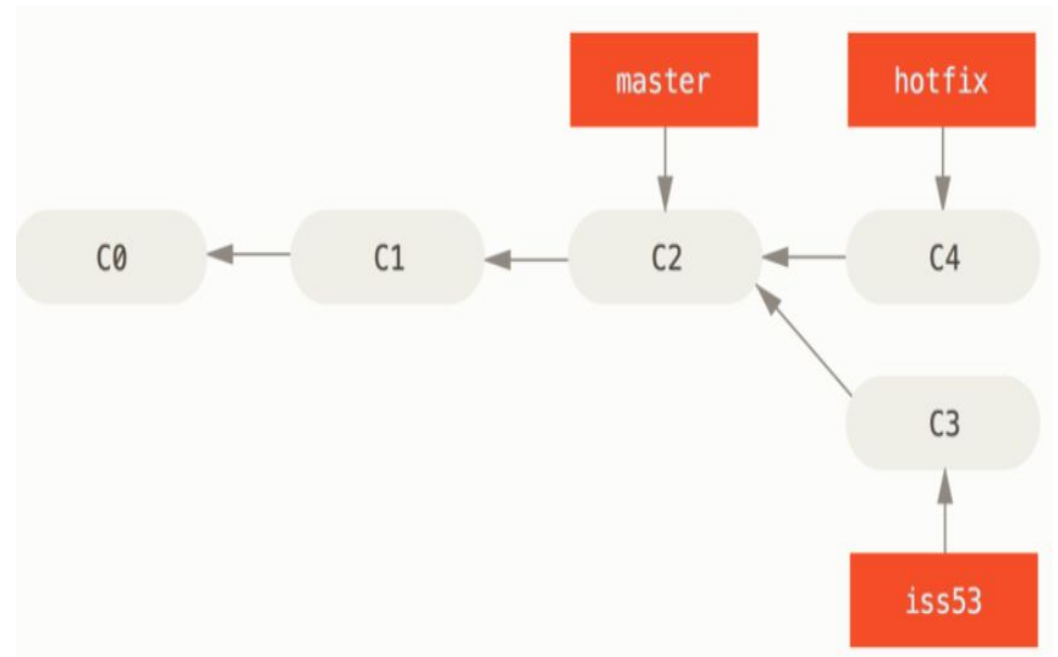
```
| * 87ab2 (testing) Make a change
```

```
|/
```

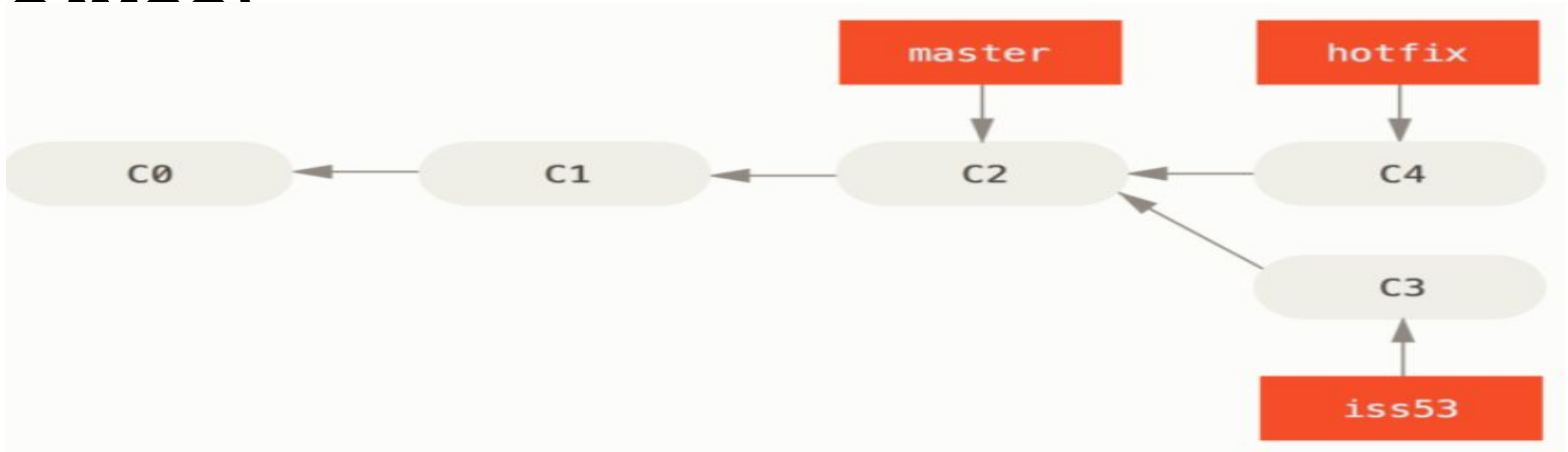
```
* f30ab Add feature #32 - ability to add new formats to the  
central interface
```

```
* 34ac2 Fix bug #1328 - stack overflow under certain conditions
```

```
* 98ca9 Initial commit of my project
```



# Hotfix branch based on master (สร้างกิ่งใหม่บน



\$ **git checkout -b hotfix**

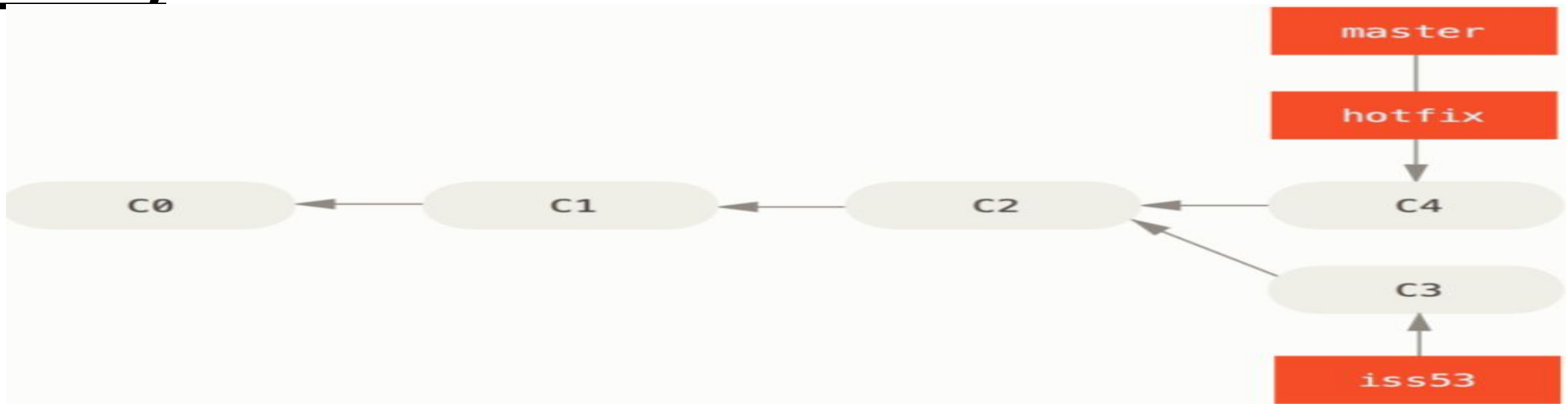
Switched to a new branch 'hotfix' (สร้างกิ่งและไปที่กิ่ง hot fix)

\$ **vim** index.html #แก้ไขไฟล์

\$ **git commit -a -m 'Fix broken email address'**

[hotfix 1fb7853] Fix broken email address

# Merge master with hotfix (รวม hotfix เข้ากับ Master)



\$ **git checkout** *master* #เปลี่ยนกิ่ง

\$ **git merge** *hotfix* #รวมกิ่ง

Updating f42c576..3a0874c

Fast-forward

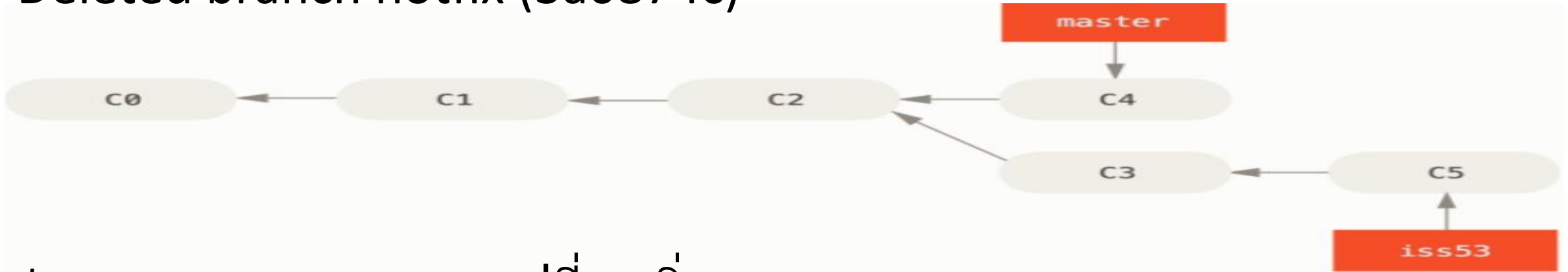
index.html | 2 ++

1 file changed, 2 insertions(+)

# Delete branch (การลบกิ่ง)

```
$ git branch -d hotfix
```

Deleted branch hotfix (3a0874c)



```
$ git checkout iss53 #เปลี่ยนกิ่ง
```

Switched to branch "iss53"

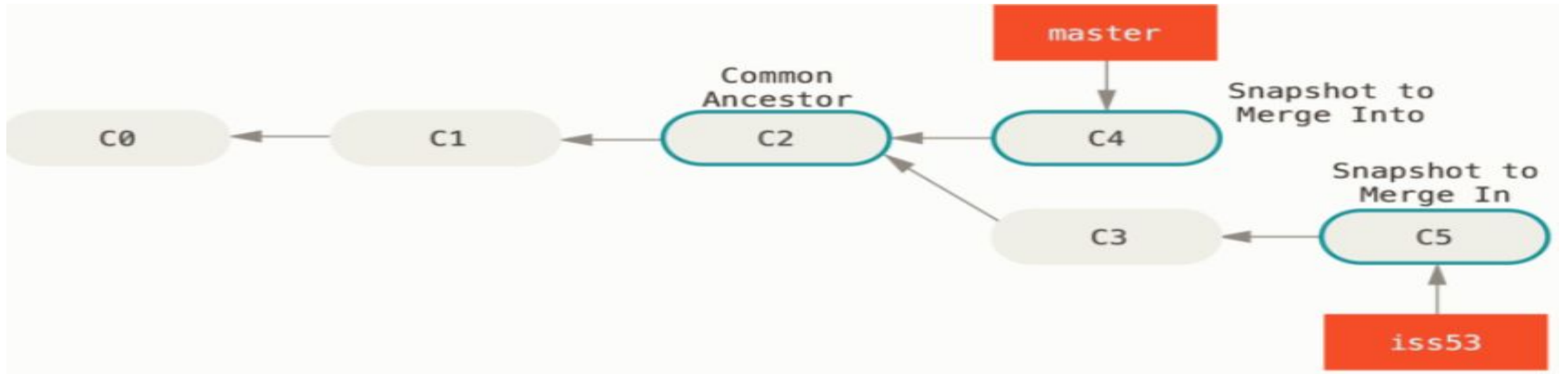
```
$ vim index.html # แก้ไข
```

```
$ git commit -a -m 'Finish the new footer [issue 53]'
```

[iss53 ad82d7a] Finish the new footer [issue 53]

1 file changed, 1 insertion(+)

# Merge (รวมกิ่งหลัก)



\$ **git checkout** master #เปลี่ยนกิ่ง

Switched to branch 'master'

\$ **git merge** iss53 #รวมกิ่ง

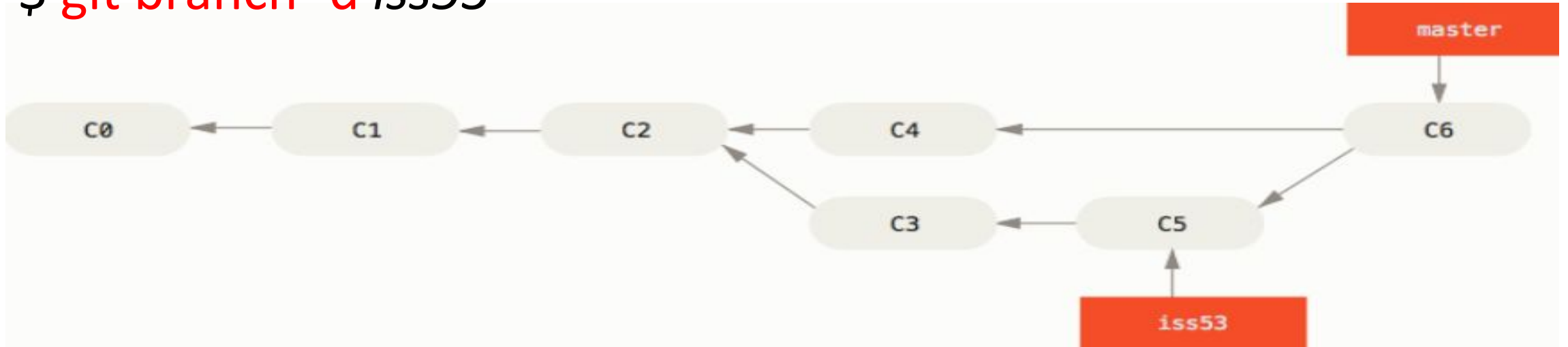
Merge made by the 'recursive' strategy.

index.html | 1 +

1 file changed, 1 insertion(+)

# Delete branch (การลบกิ่ง)

\$ **git branch -d** *iss53*



\$ **git status**

On branch master

You have unmerged paths.

(fix conflicts and run "git commit")

Unmerged paths:

(use "git add <file>..." to mark resolution)

both modified: index.html

no changes added to commit (use "git add" and/or "git commit -a")

# Branch Management

Listing of your *current branches*

```
$ git branch
```

```
iss53
```

```
* master # * character that prefixes the master branch  
testing
```

The *last commit* on each branch

```
$ git branch -v
```

```
iss53 93b412c Fix javascript issue
```

```
* master 7a98805 Merge branch 'iss53'
```

```
testing 782fd34 Add scott to the author list in the readme
```



# Branch Management

Branches are *already merged*

```
$ git branch --merged
```

```
iss53 # รวมได้
```

```
* master
```

Branches that you *have not yet merged*

```
$ git branch --no-merged
```

```
testing # รวมไม่ได้
```