

Laboratorio 1 - Git

- **Nombre del profesor:** Sebastian David Moreno Bernal
- **Fecha límite:** Viernes 27 de Marzo de 2020.
- **Presentado por:** Guiselle Tatiana Zambrano Penagos

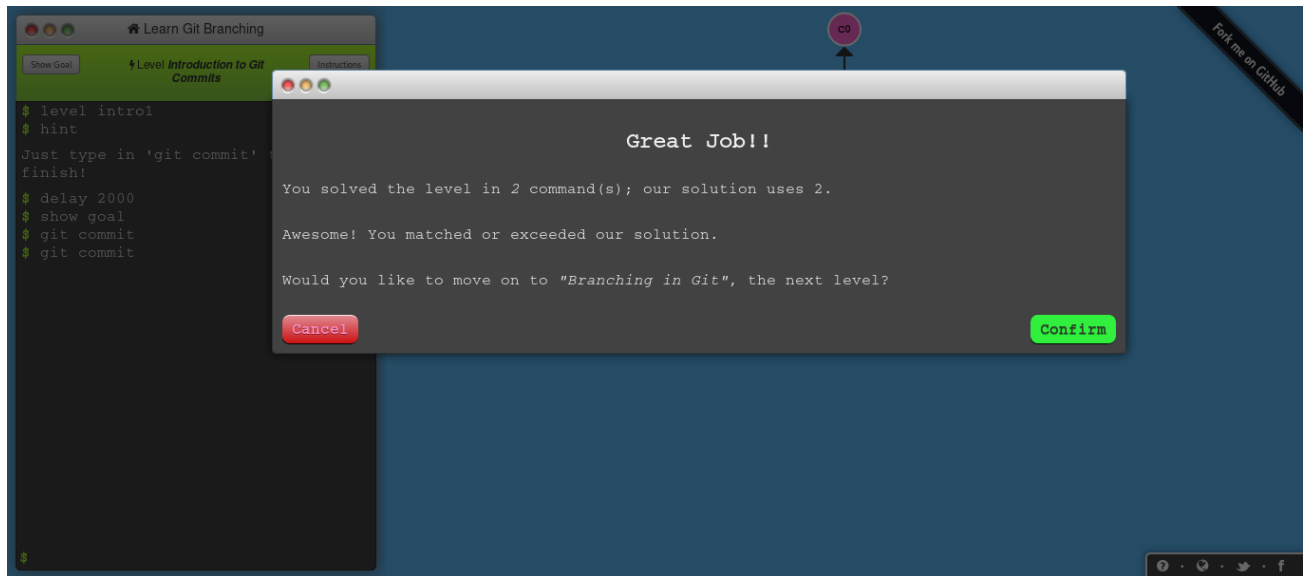
Introduction Sequence

Git Commits

- **Comandos utilizados:**

```
git commit
git commit
```

- **Screenshot:**

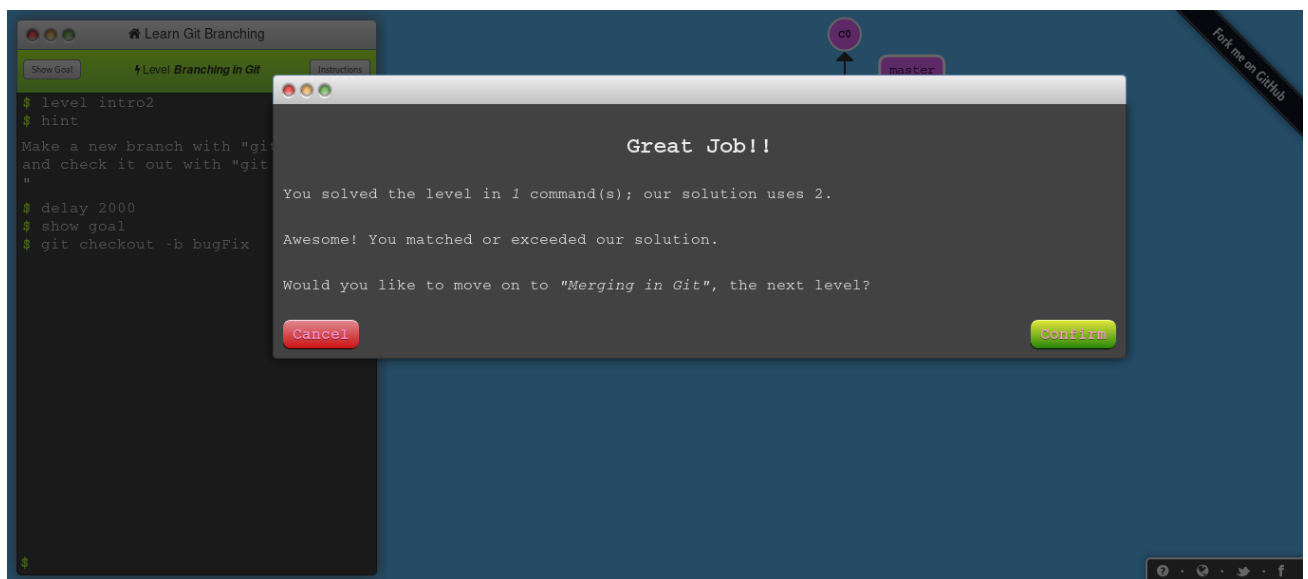


Git Branches

- **Comandos utilizados:**

```
git checkout -b bugFix
```

- **Screenshot:**

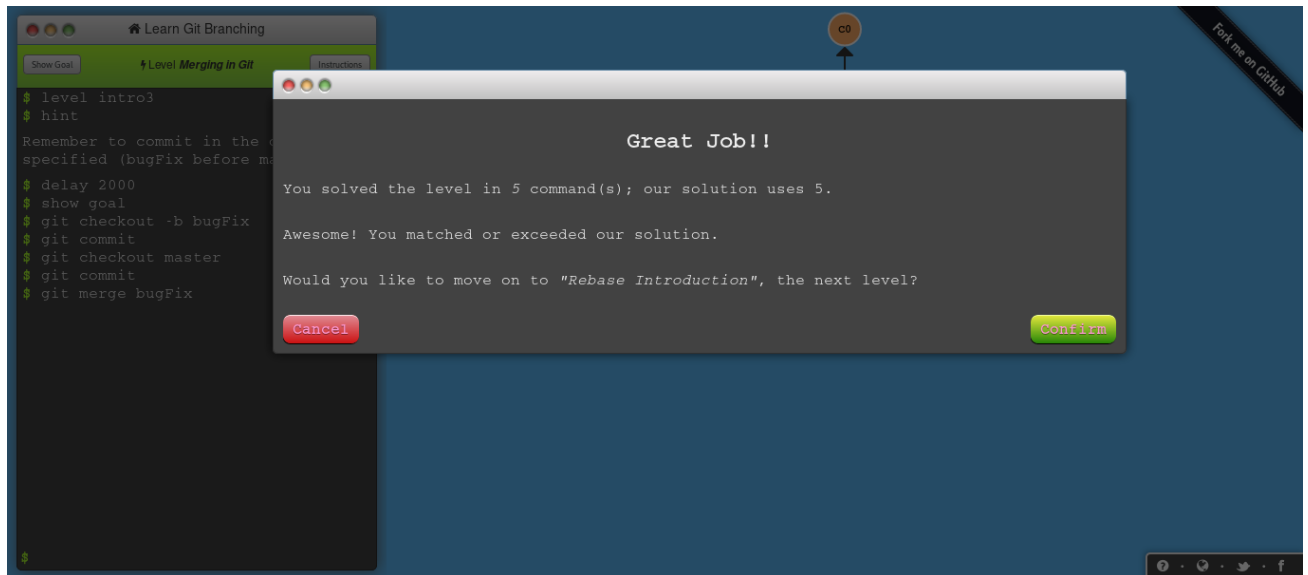


Branches and Merging

- Comandos utilizados:

```
git checkout -b bugFix
git commit
git checkout master
git commit
git merge bugFix
```

- Screenshot:

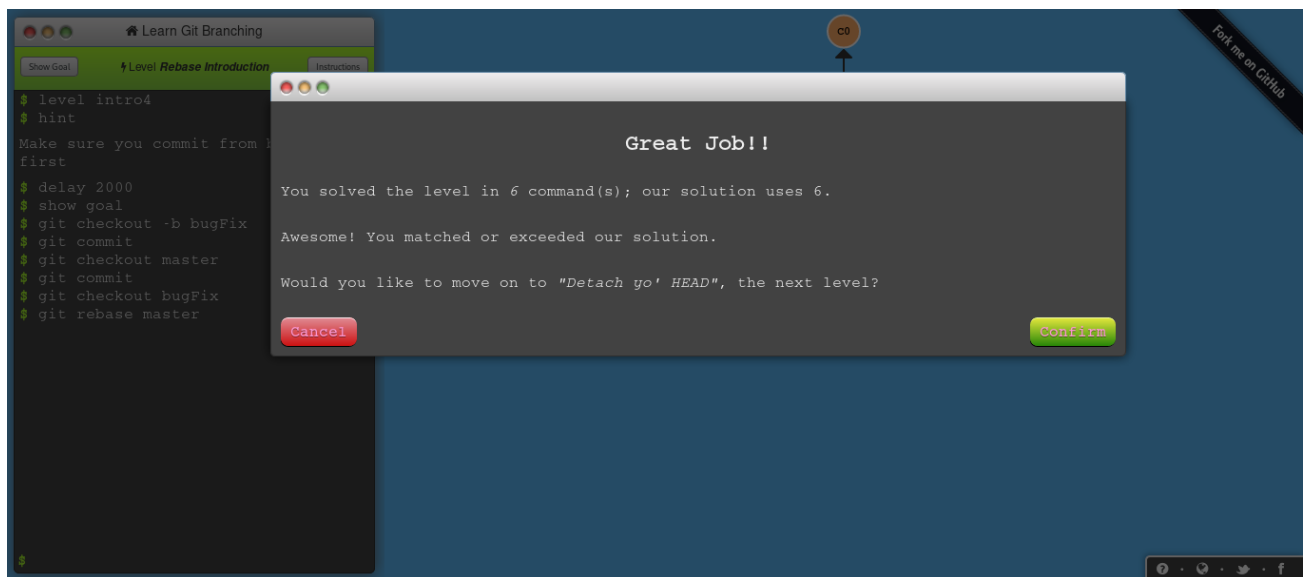


Git Rebase

- Comandos utilizados:

```
git checkout -b bugFix
git commit
git checkout master
git commit
git checkout bugFix
git rebase master
```

- Screenshot:



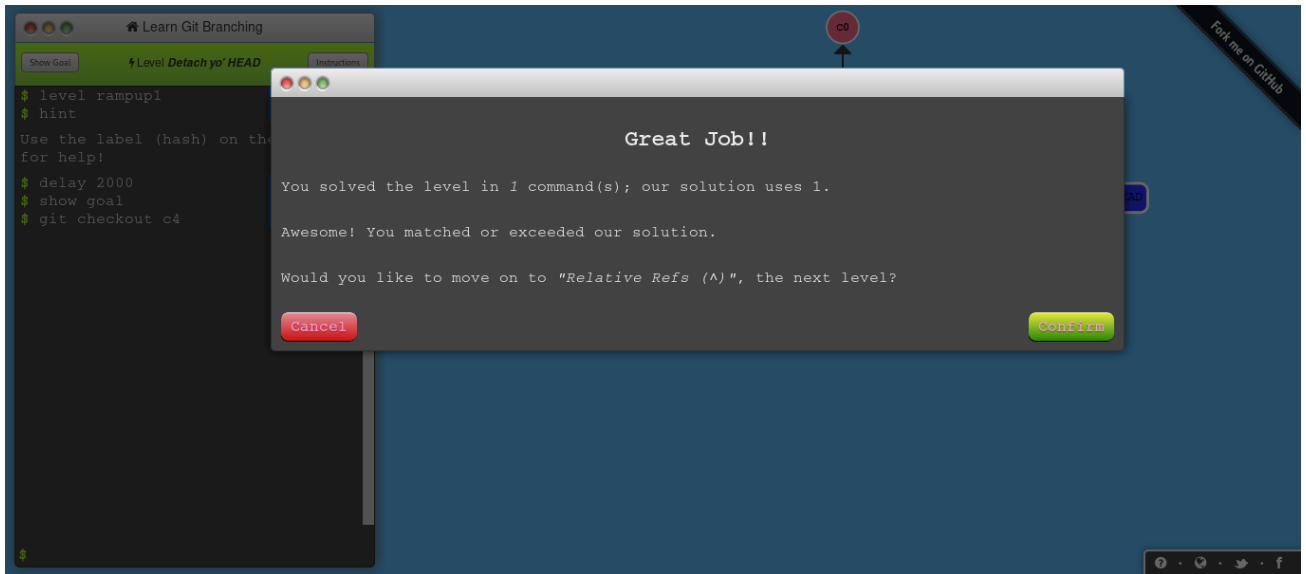
Ramping Up

Moving around in Git

- Comandos utilizados:

```
git checkout C4
```

- Screenshot:

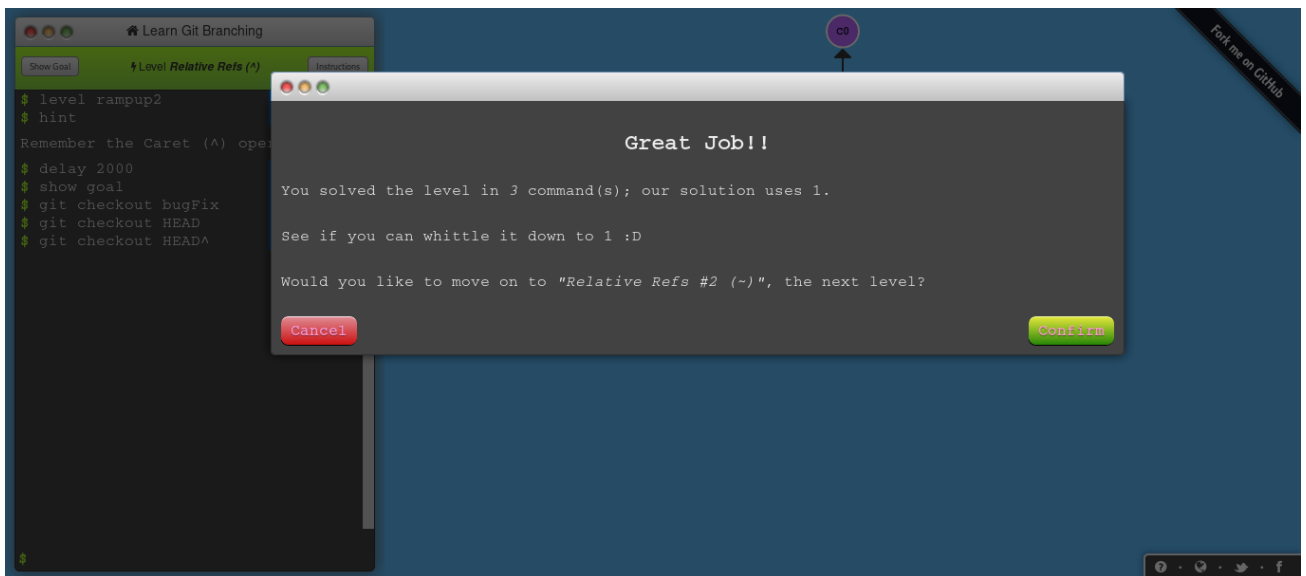


Relative Refs

- Comandos utilizados:

```
git checkout bugFix  
git checkout HEAD^
```

- Screenshot:

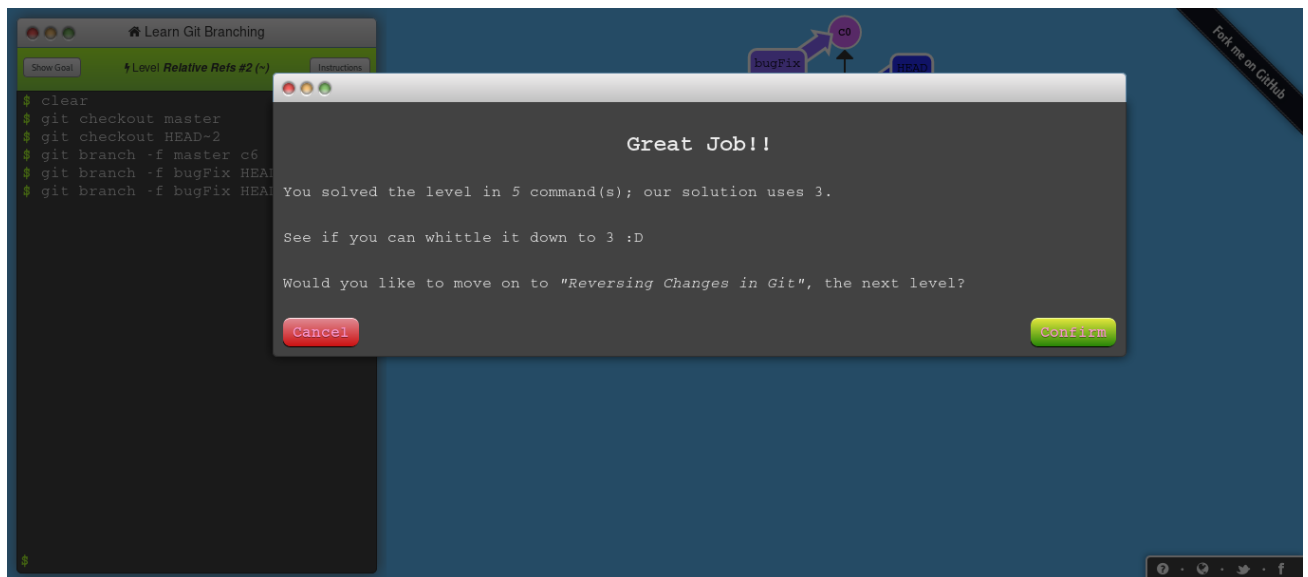


The “~” operator

- Comandos utilizados:

```
git checkout master  
git checkout HEAD~2  
git branch -f master c6  
git branch -f bugFix HEAD^
```

- Screenshot:

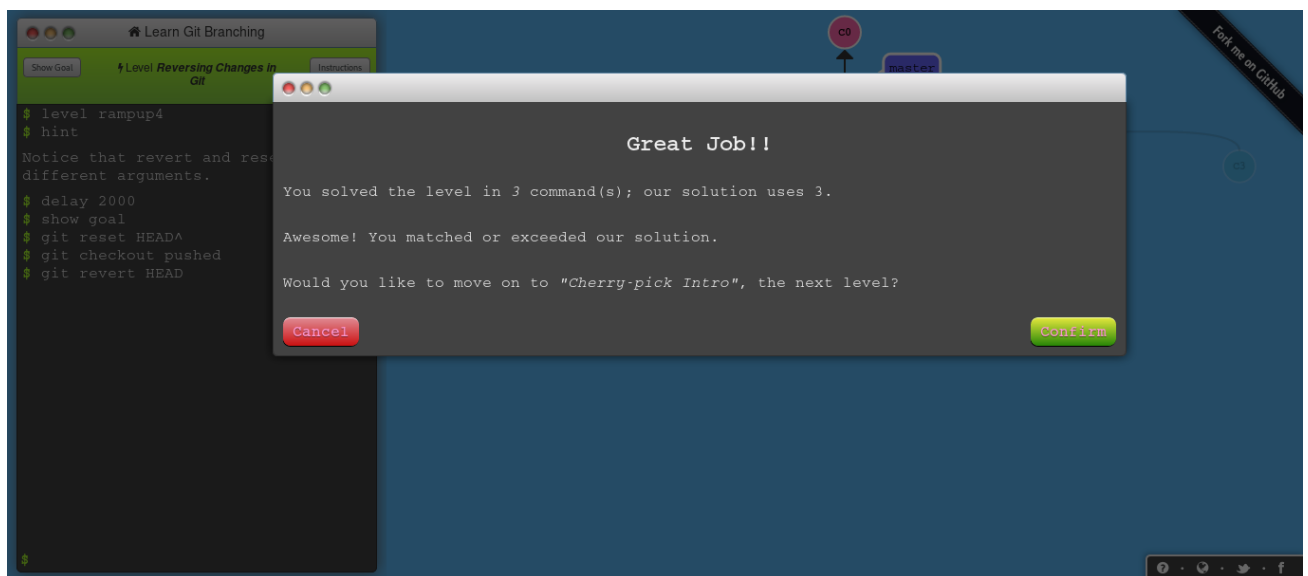


Reversing Changes in Git

- Comandos utilizados:

```
git reset HEAD~
git checkout pushed
git revert HEAD
```

- Screenshot:



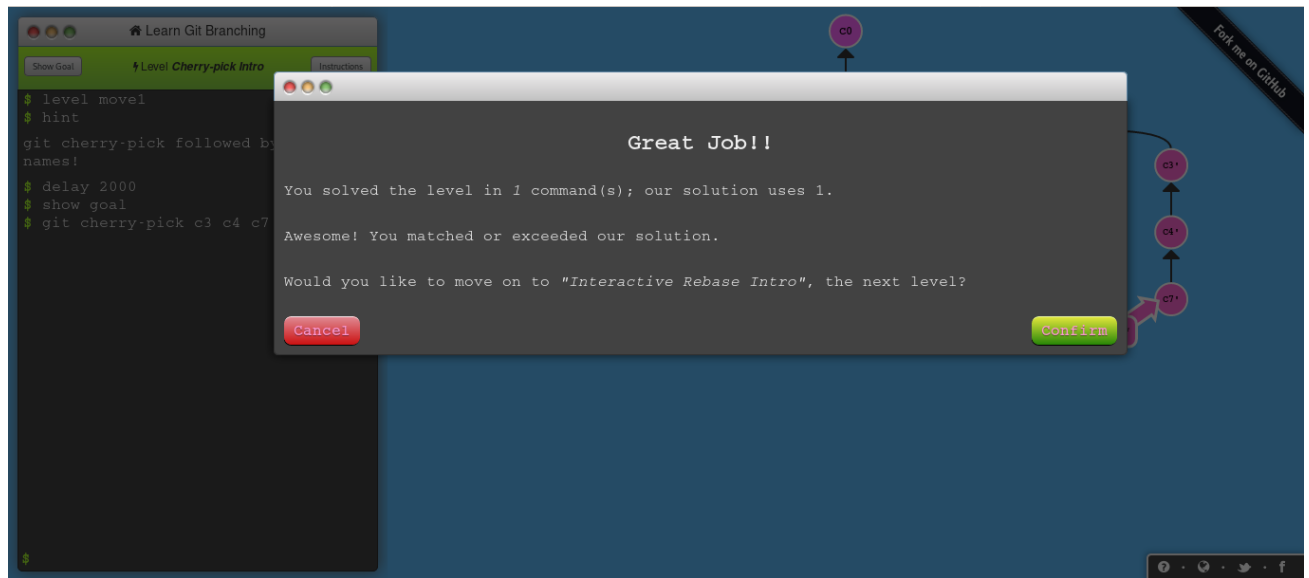
Moving Work Around

Git Cherry-pick

- Comandos utilizados:

```
git cherry-pick c3 c4 c7
```

- Screenshot:

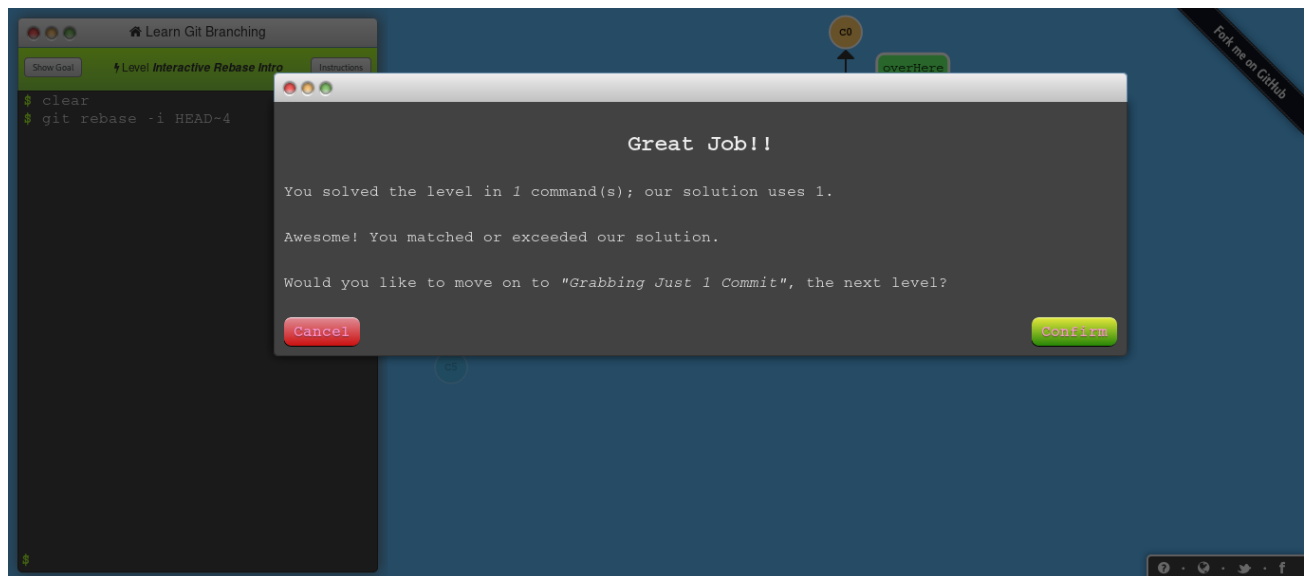


Git Interactive Rebase

- Comandos utilizados:

```
git rebase -i HEAD~4
# c3, c5, c4
```

- Screenshot:



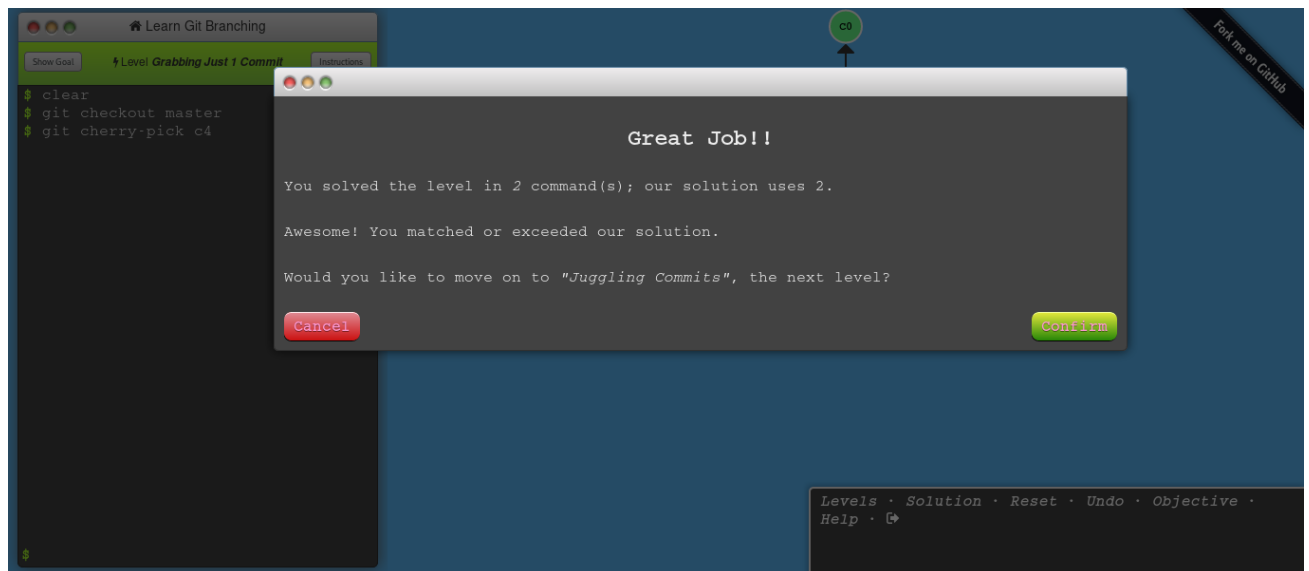
A Mixed Bag

Locally stacked commits

- Comandos utilizados:

```
git checkout master
git cherry-pick c4
```

- Screenshot:

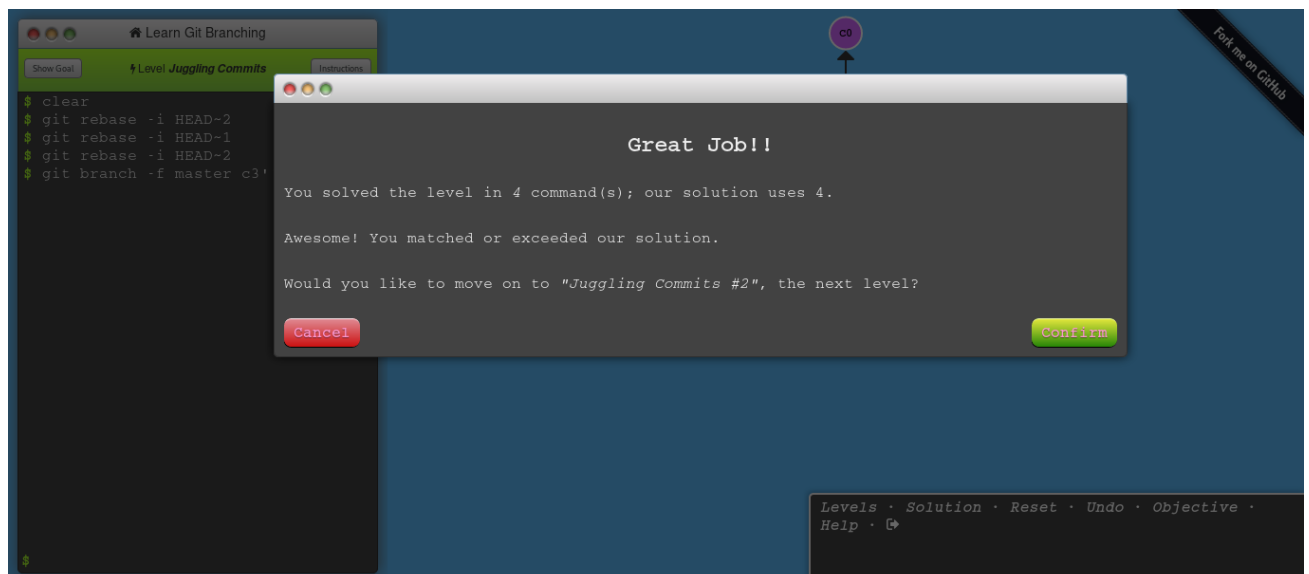


Juggling Commits

- Comandos utilizados:

```
git rebase -i HEAD~2
git rebase -i HEAD~1
git rebase -i HEAD~2
git branch -f master c3'''
```

- Screenshot:

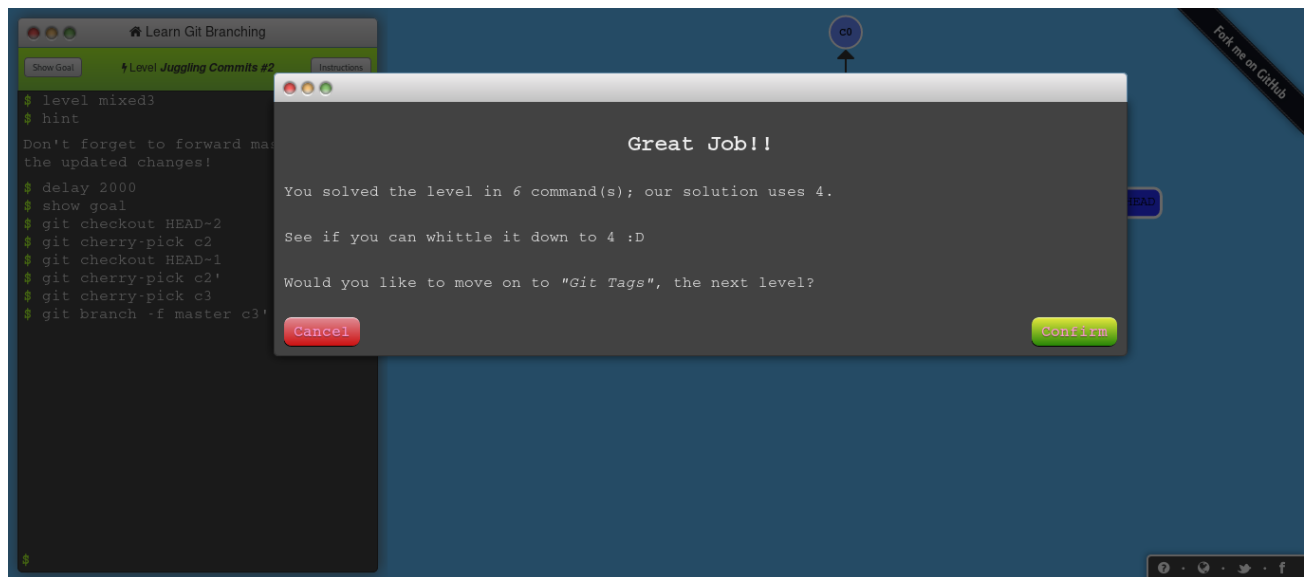


Juggling Commits 2

- Comandos utilizados:

```
git checkout HEAD~2
git cherry-pick c2
git checkout HEAD~1
git cherry-pick c2'
git cherry-pick c3
git branch -f master c3'
```

- Screenshot:

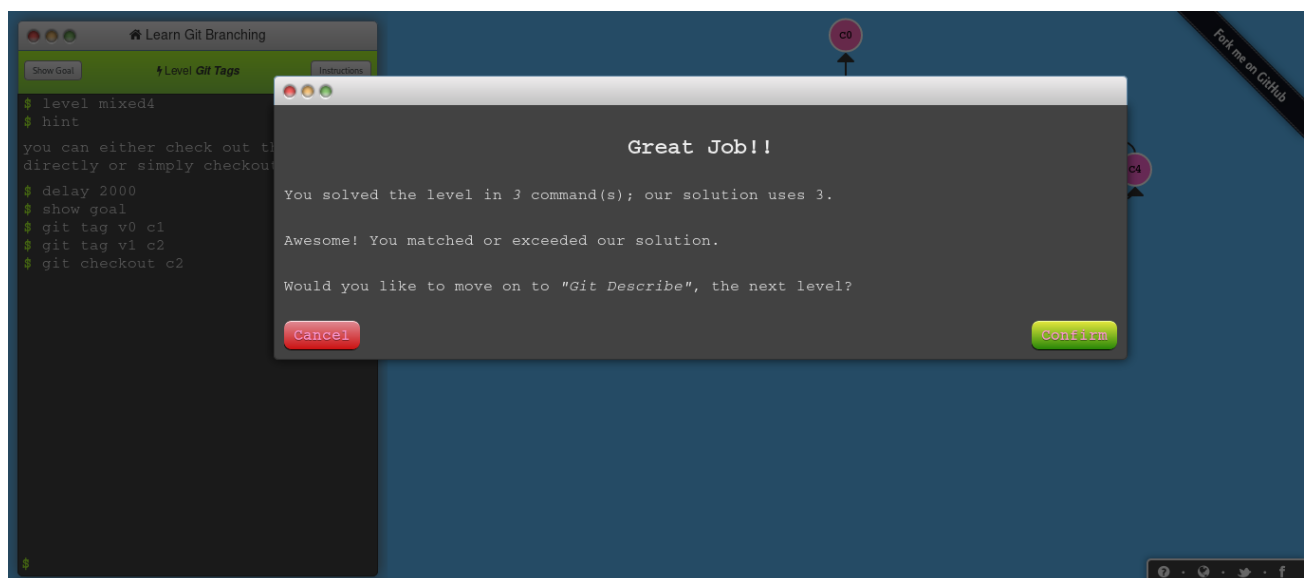


Git Tags

- Comandos utilizados:

```
git tag v0 c1
git tag v1 c2
git checkout c2
```

- Screenshot:

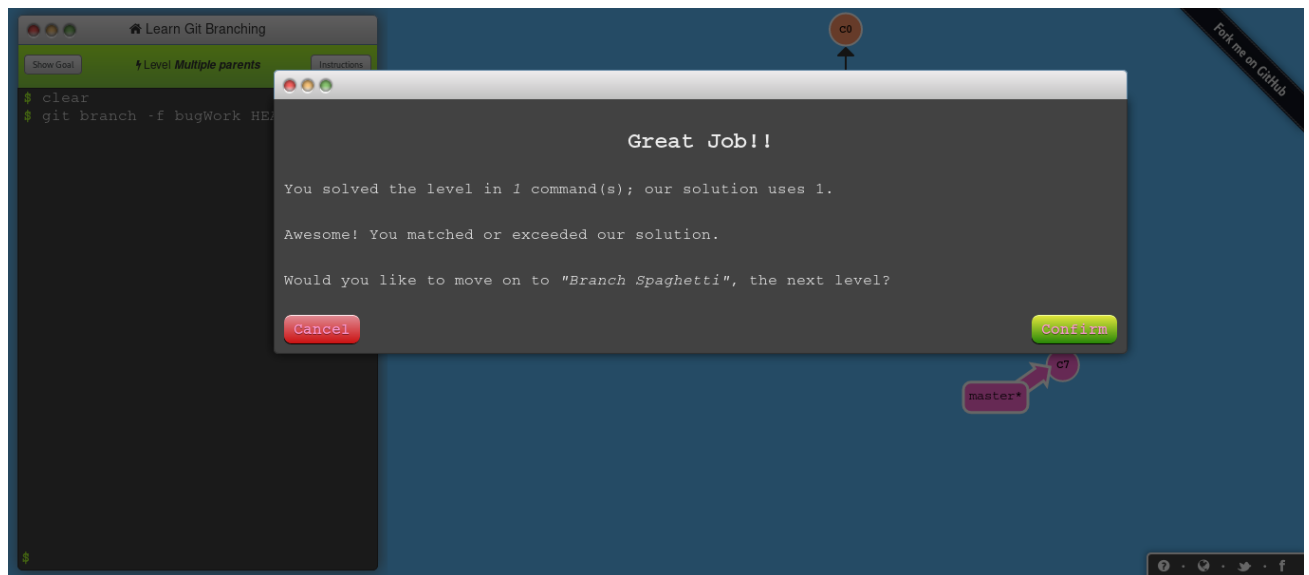


Git Describe

- Comandos utilizados:

```
git describe c2
git describe c4
git describe c6
git describe c1
git describe c3
```

- Screenshot:

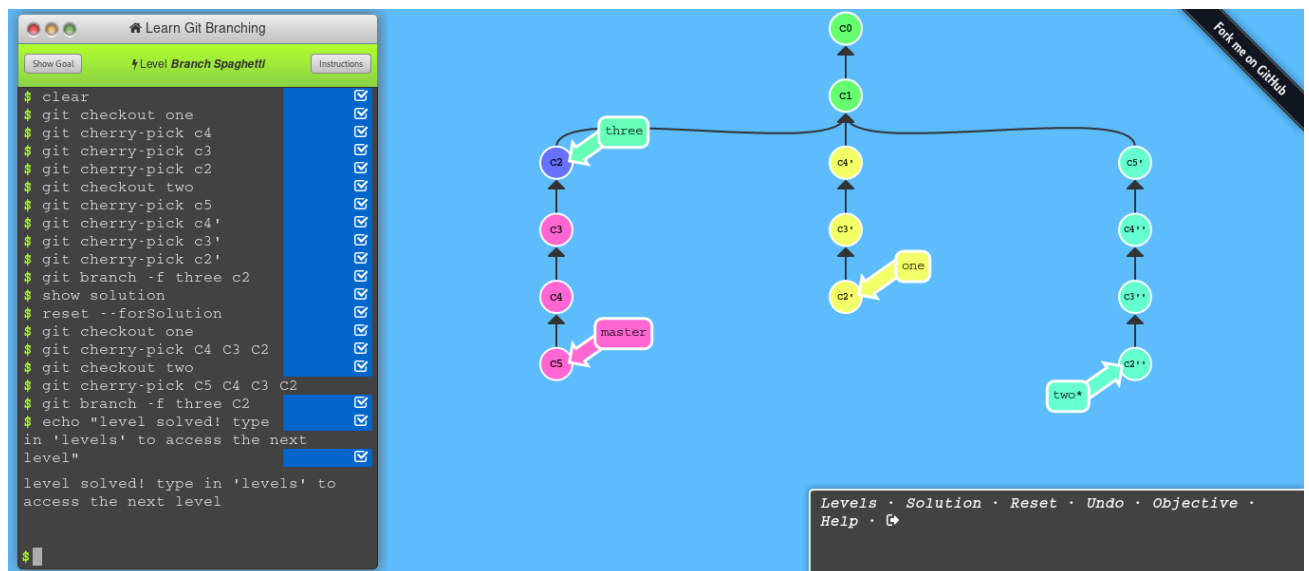


Branch Spaghetti

- Comandos utilizados:

```
git checkout one
git cherry-pick c4
git cherry-pick c3
git cherry-pick c2
git checkout two
git cherry-pick c5
git cherry-pick c4'
git cherry-pick c3'
git cherry-pick c2'
git branch -f three c2
```

- Screenshot:



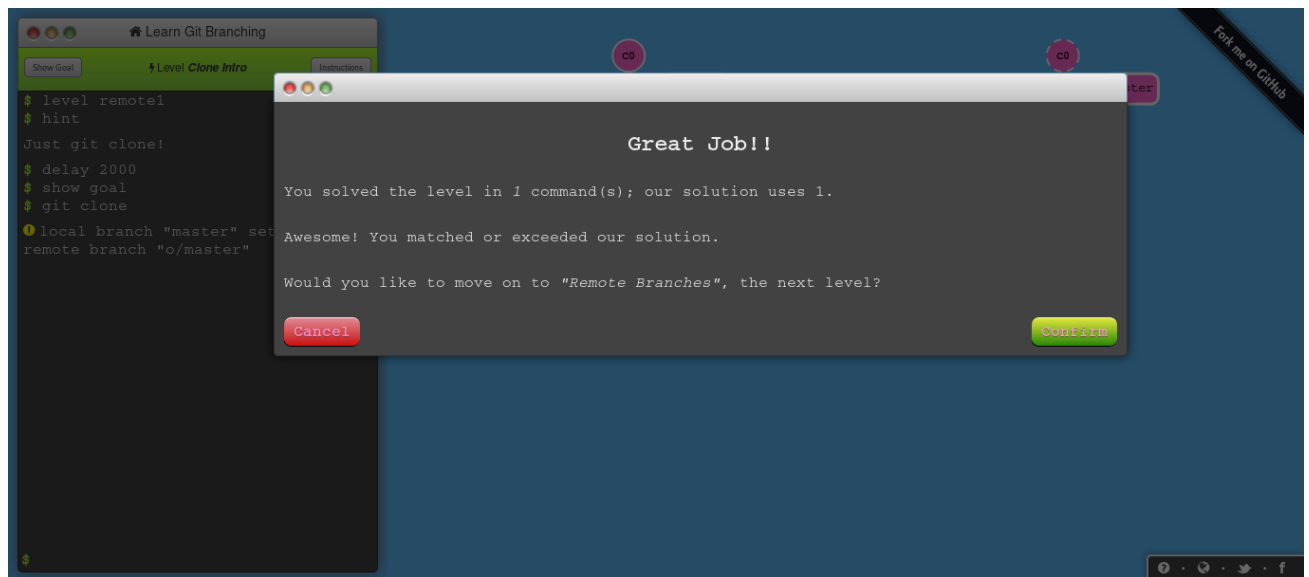
Push & Pull – Git Remotes!

Our Command to create remotes

- Comandos utilizados:

```
git clone
```

- Screenshot:

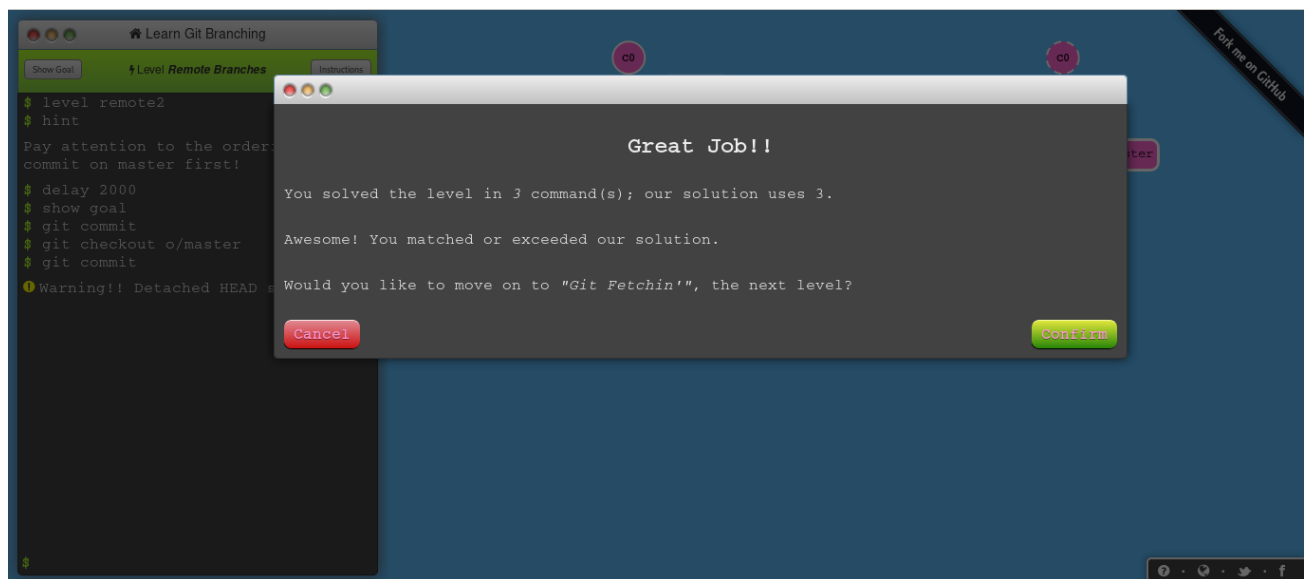


Git Remote Branches

- Comandos utilizados:

```
git commit
git checkout o/master
git commit
```

- Screenshot:

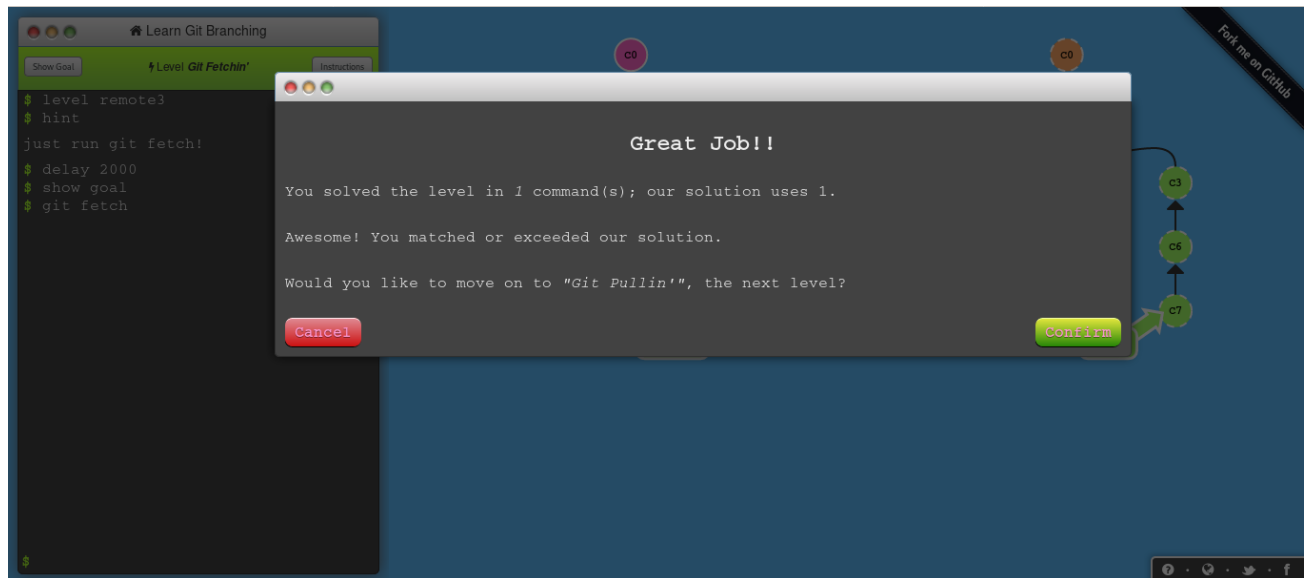


Git Fetch

- Comandos utilizados:

```
git fetch
```

- Screenshot:

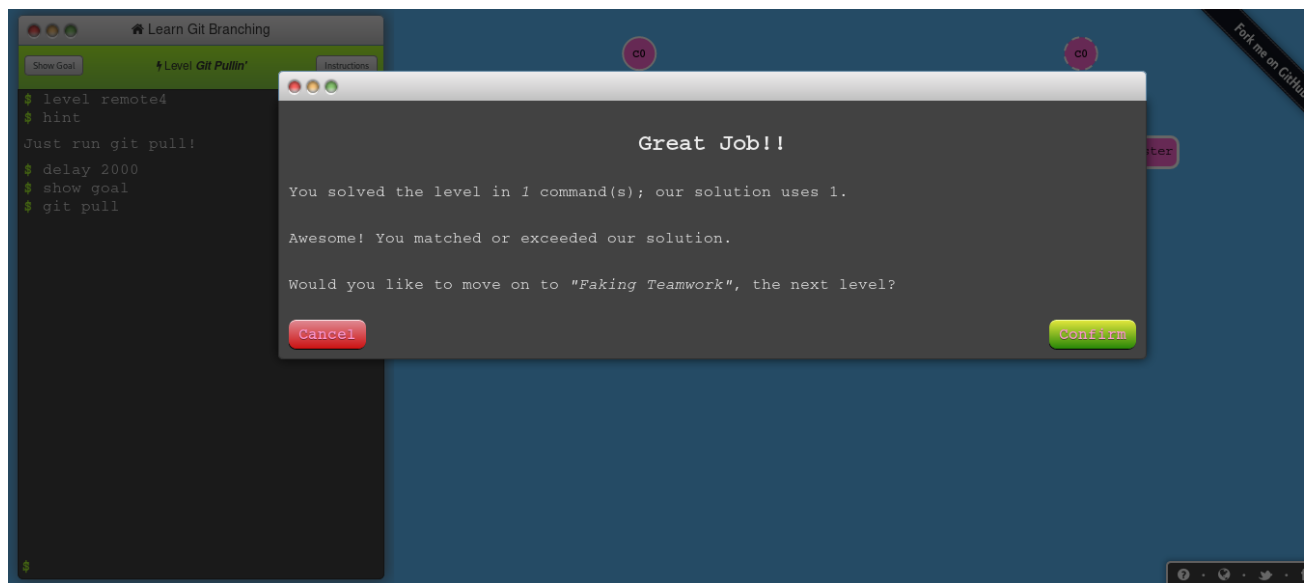


Git Pull

- Comandos utilizados:

git pull

- Screenshot:

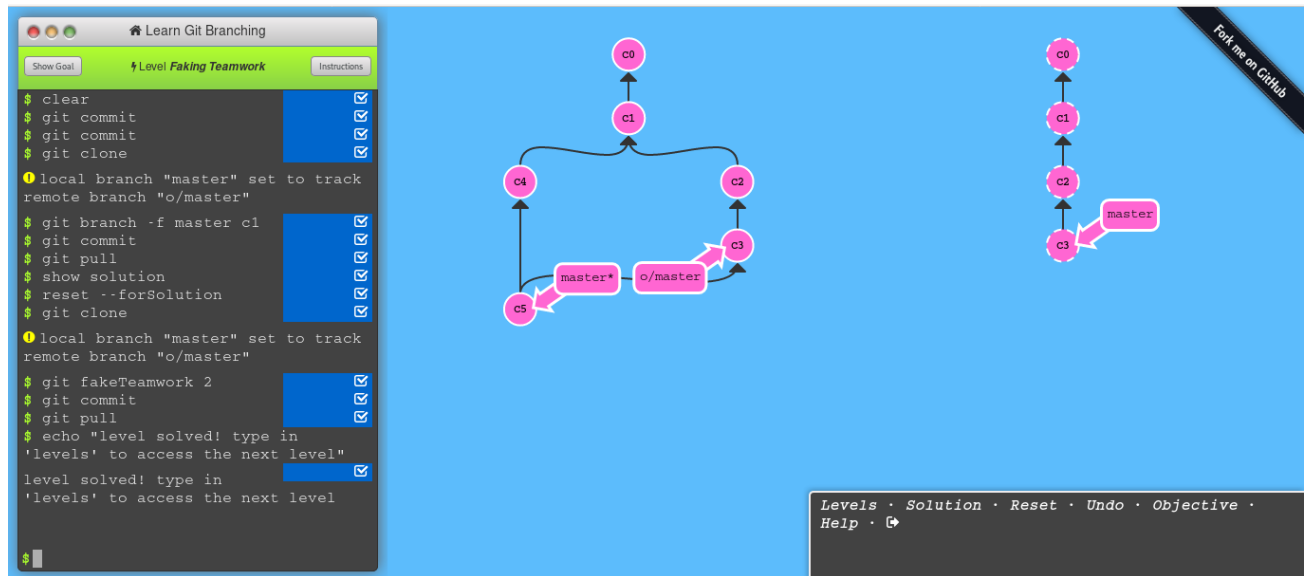


Simulating Collaboration

- Comandos utilizados:

```
git commit
git commit
git clone
git branch -f master c1
git commit
git pull
```

- Screenshot:

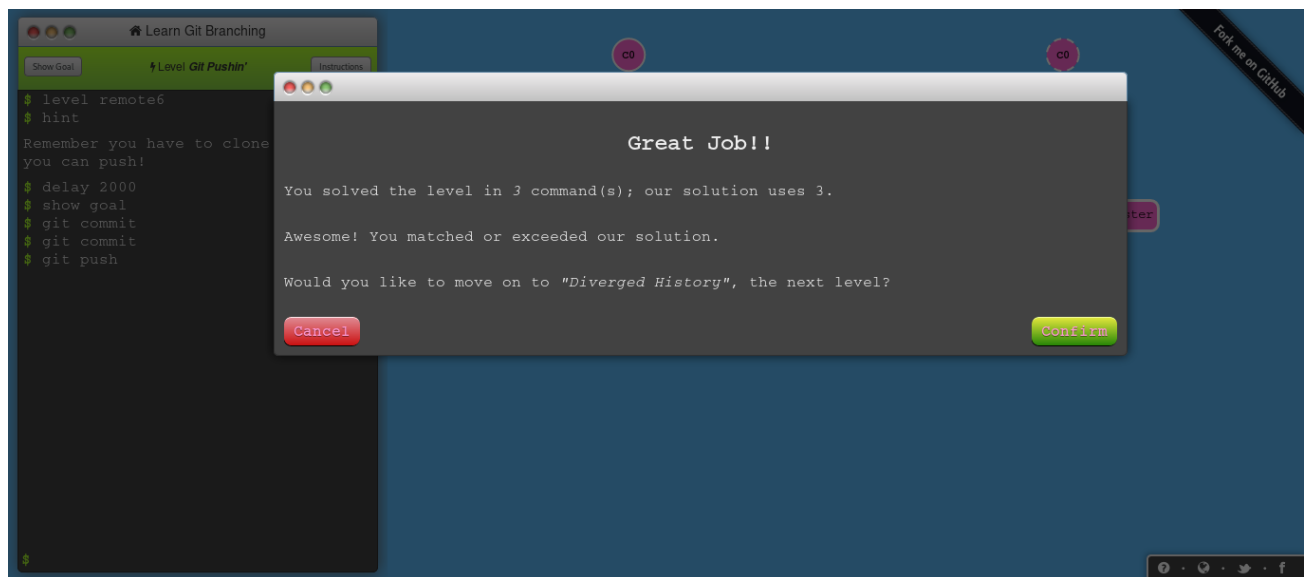


git push

- Comandos utilizados:

```
git commit
git commit
git push
```

- Screenshot:

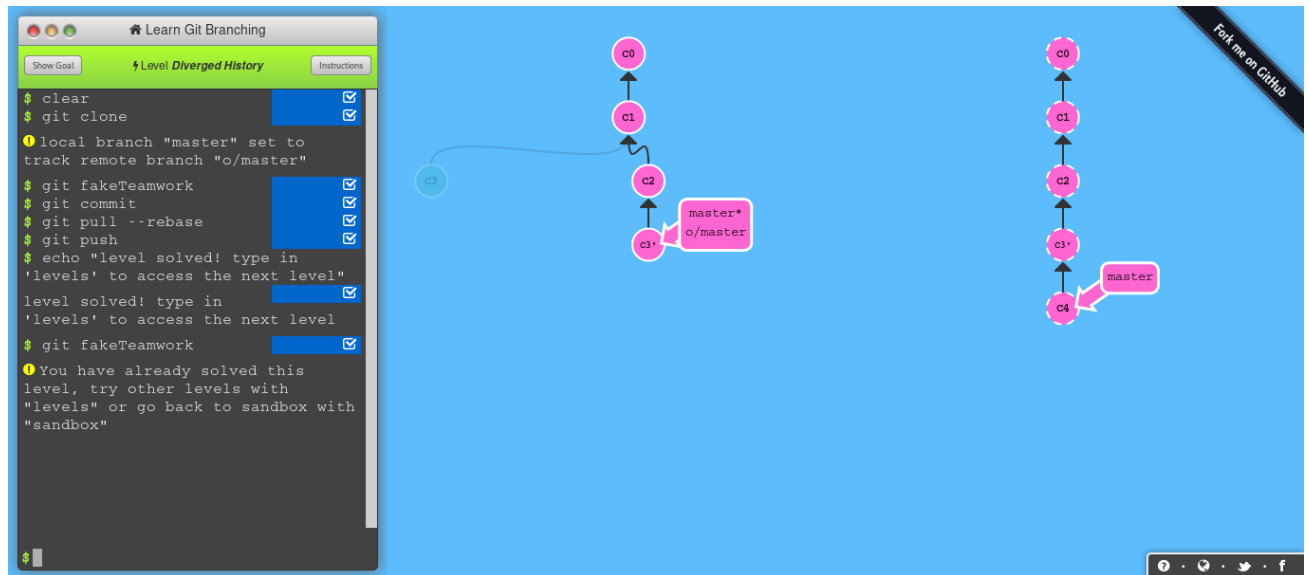


Diverged Work

- Comandos utilizados:

```
git clone
git fakeTeamwork
git commit
git pull --rebase
git push
git fakeTeamwork
```

- Screenshot:

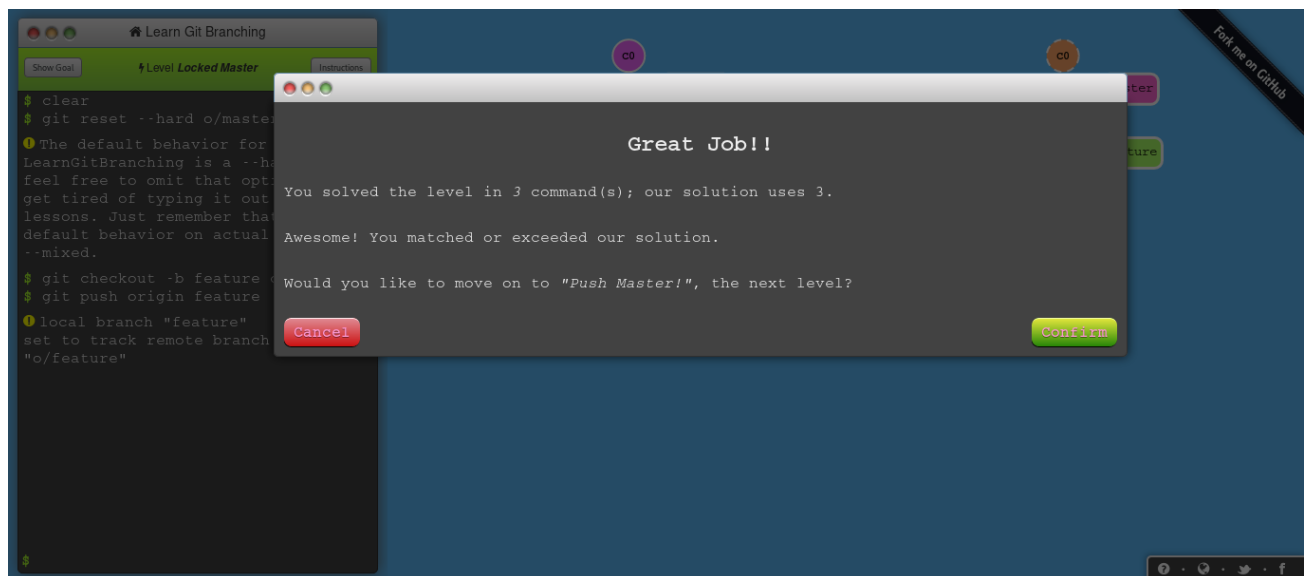


Remote Rejected

- Comandos utilizados:

```
git reset --hard o/master
git checkout -b feature c2
git push origin feature
```

- Screenshot:



To origin and Beyoun – Advanced Git Remotes!

Merging feature branches

- Comandos utilizados:

```
git fetch
git rebase o/master side1
git rebase side1 side2
git rebase side2 side3
git rebase side3 master
git push
```

- Screenshot:

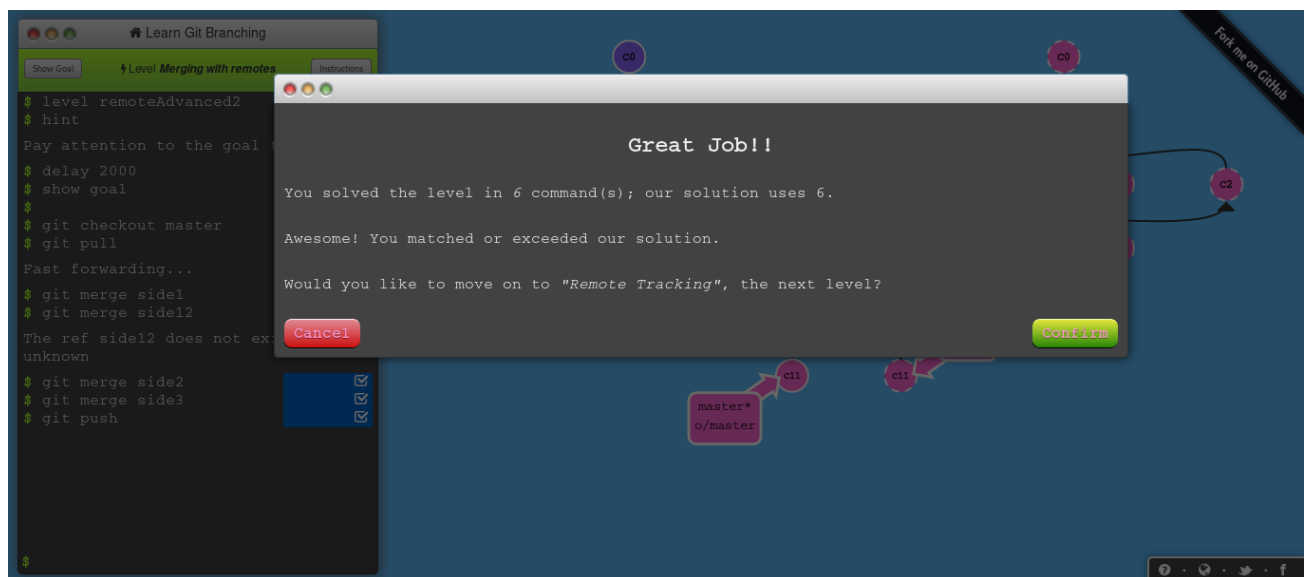


Why no merge?

- Comandos utilizados:

```
git checkout master
git pull
git merge side1
git merge side2
git merge side3
git push
```

- Screenshot:

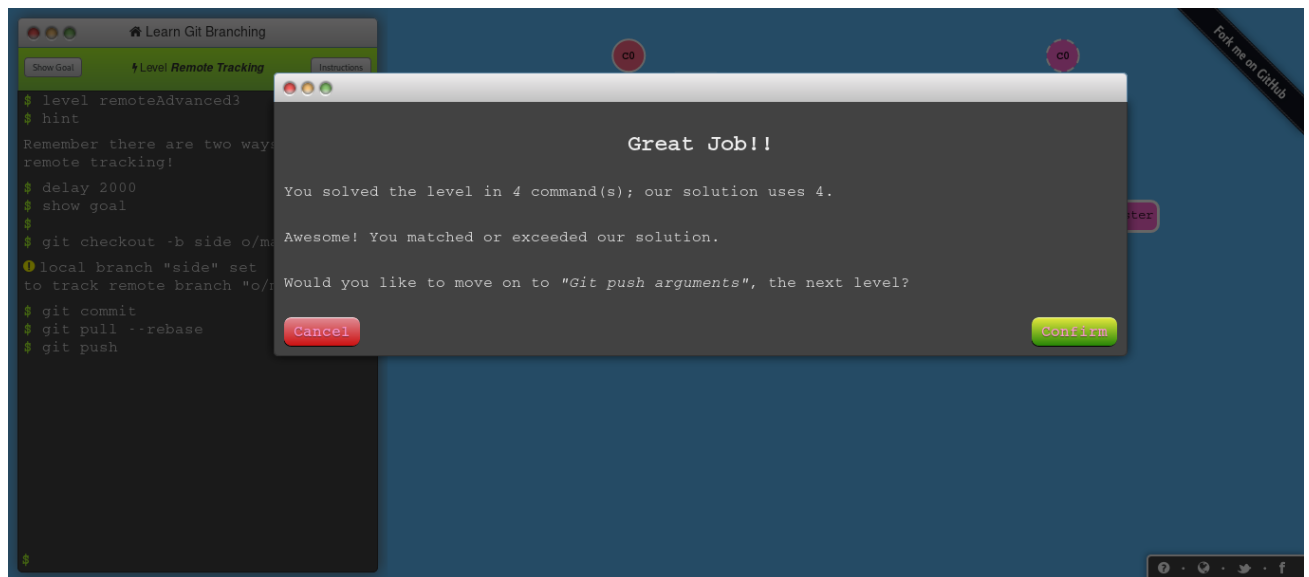


Remote-Tracking branches

- Comandos utilizados:

```
git checkout -b side o/master
git commit
git pull --rebase
git push
```

- Screenshot:

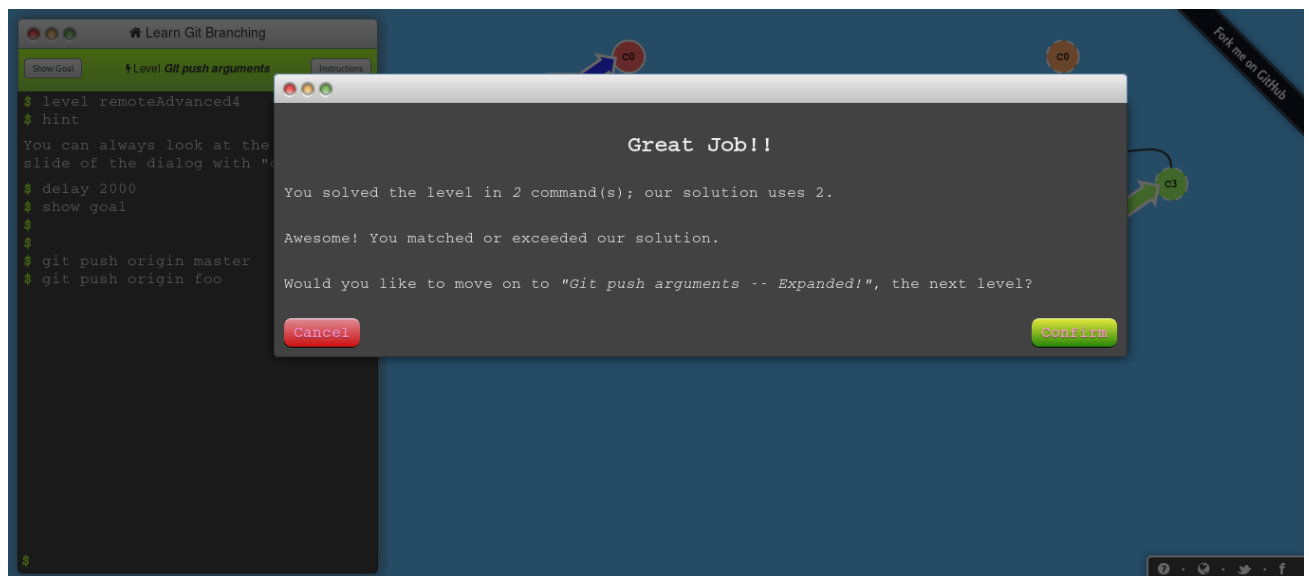


Push Arguments

- Comandos utilizados:

```
git push origin master
git push origin foo
```

- Screenshot:

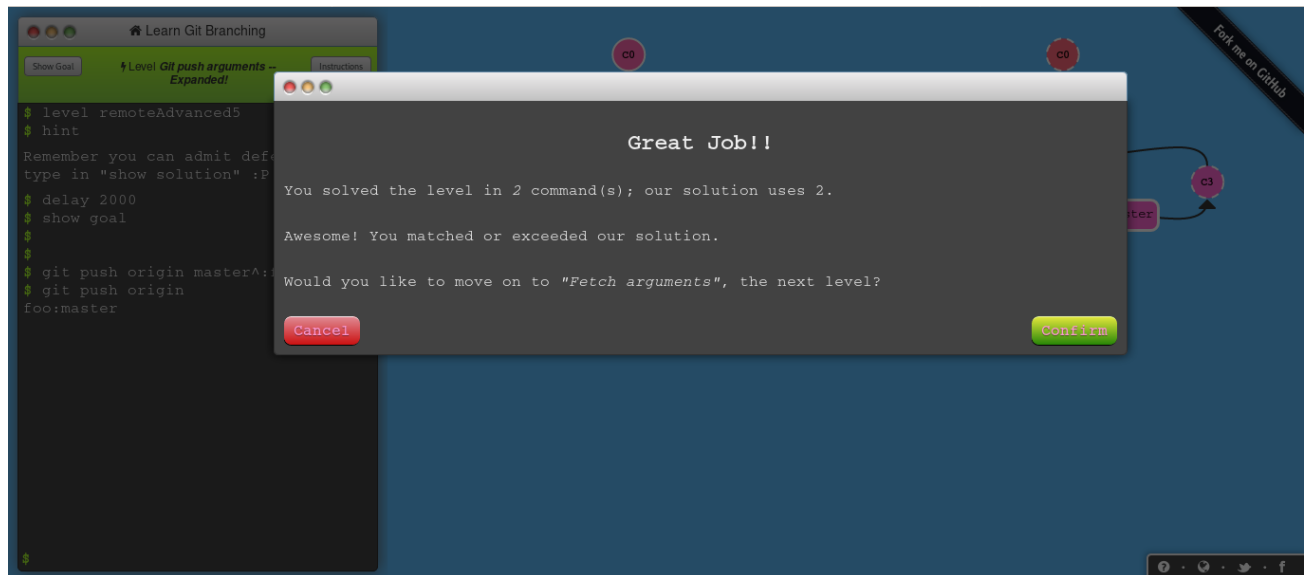


argument details

- Comandos utilizados:

```
git push origin master^:foo
git push origin foo:master
```

- Screenshot:

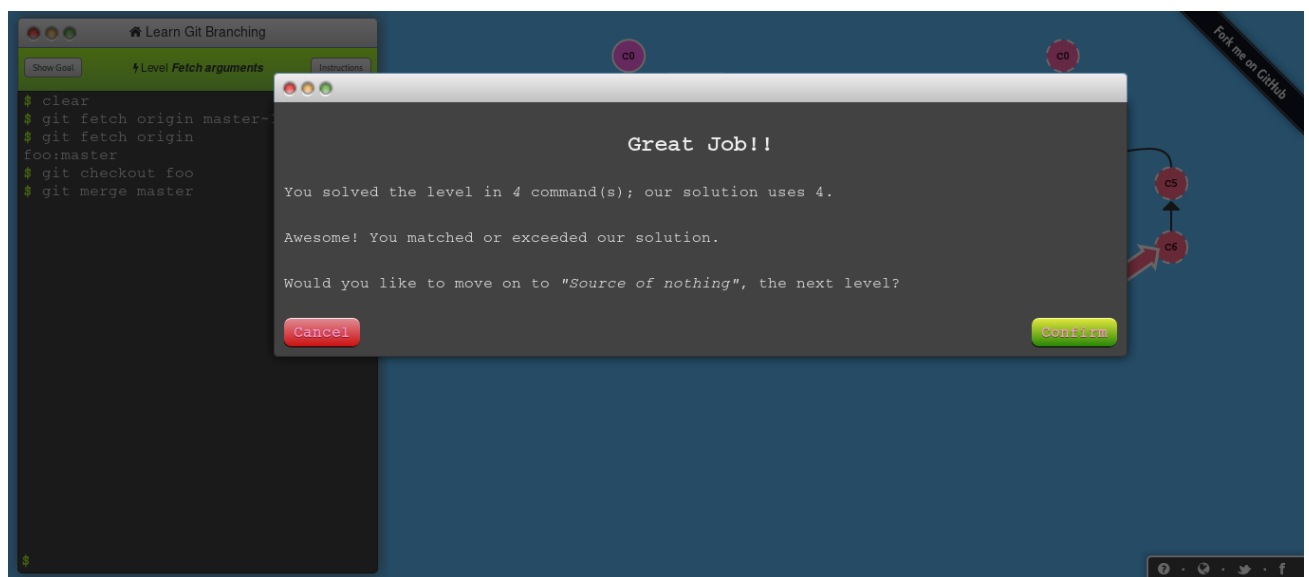


Git fetch arguments

- Comandos utilizados:

```
git fetch origin master~1:foo
git fetch origin foo:master
git checkout foo
git merge master
```

- Screenshot:

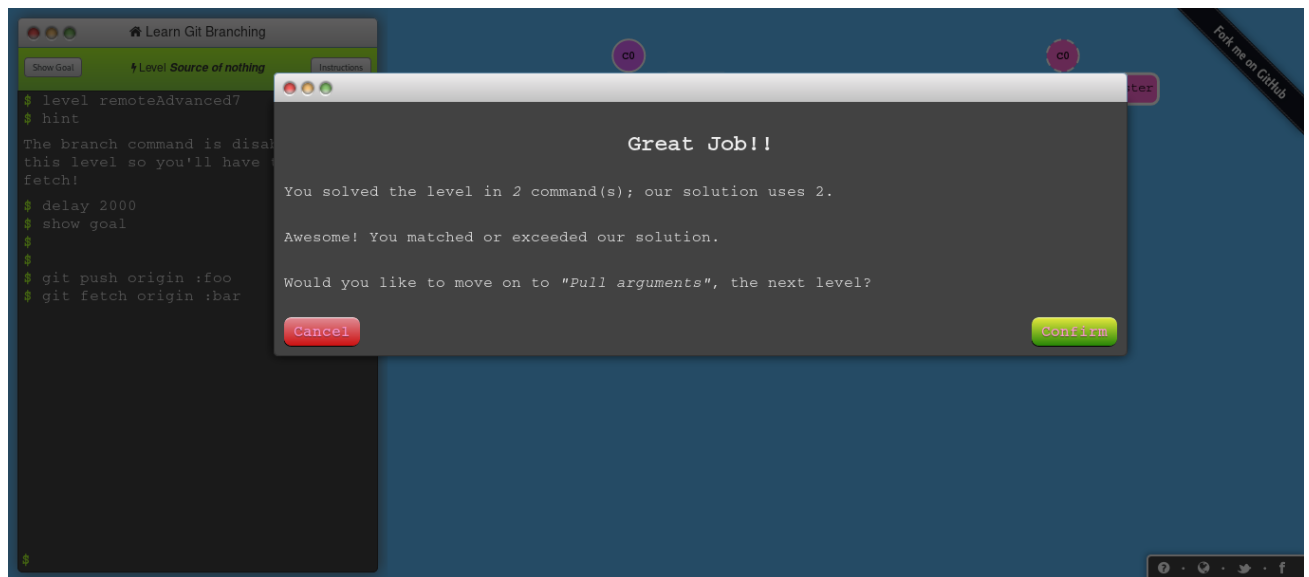


Oddities of

- Comandos utilizados:

```
git push origin :foo
git fetch origin :bar
```

- Screenshot:



Git pull arguments

- Comandos utilizados:

```
git pull origin bar:foo
git pull origin master:side
```

- Screenshot:

