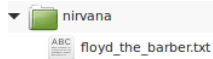# Smells like

Git spirit

afs@inesctec.pt

The basics

```
$ mkdir nirvana
$ cd nirvana
$ git init

$ touch floyd_the_barber.txt
$ git add floyd_the_barber.txt
$ git commit -m 'Add a song'
```

File tree

- ▼ 📁 nirvana
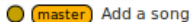 - 📄 floyd_the_barber.txt

Commit log

🟡 (master) Add a song

The basics

```
$ mkdir nirvana
$ cd nirvana
$ git init

$ touch floyd_the_barber.txt
$ git add floyd_the_barber.txt
$ git commit -m 'Add a song'

$ touch negative_creep.txt
$ git add negative_creep.txt
$ git commit -m 'Add a second
song'
```

File tree

- ▼ 📁 nirvana
  - 📄 floyd_the_barber.txt
  - 📄 negative_creep.txt

Commit log

- 🟡 (master) Add a second song
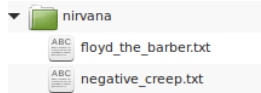- 🟡 Add a song

The basics

```
$ mkdir nirvana
$ cd nirvana
$ git init

$ touch floyd_the_barber.txt
$ git add floyd_the_barber.txt
$ git commit -m 'Add a song'

$ touch negative_creep.txt
$ git add negative_creep.txt
$ git commit -m 'Add a second
song'

$ git remote add origin
git@github.com:user/repo.git
$ git pull origin master
$ git push -u origin master
```
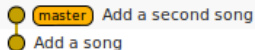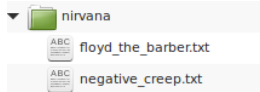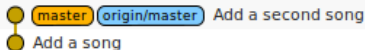
File tree

- ▼ 📁 nirvana
  - 📄 floyd_the_barber.txt
  - 📄 negative_creep.txt

Commit log

- 🟡 `master` `origin/master` Add a second song
- 🟡 Add a song

Branching (local)

`$ git checkout -b new_songs`

File tree
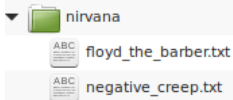
- ▼ 📁 nirvana
  - 📄 floyd_the_barber.txt
  - 📄 negative_creep.txt

Commit log

🟡 (master) (new_songs) (origin/master) Add a second song
🟡 Add a song

Branching (local)

```
$ git checkout -b new_songs

$ touch pennyroyal_tea.txt
$ git add pennyroyal_tea.txt
$ git commit -m 'Add song for next album'
```

File tree

- 📁 nirvana
  - 📄 floyd_the_barber.txt
  - 📄 negative_creep.txt
  - 📄 pennyroyal_tea.txt

Commit log

- 🟡 `new_songs` Add song for next album
- 🟡 `master` `origin/master` Add a second song
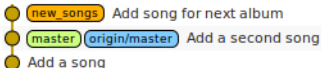- 🟡 Add a song

Branching (local)

```
$ git checkout -b new_songs

$ touch pennyroyal_tea.txt
$ git add pennyroyal_tea.txt
$ git commit -m 'Add song for next
album'

$ touch something_in_the_way.txt
$ git add something_in_the_way.txt
$ git commit -m 'Add yet another
song'
```

File tree

- ▼ 📁 nirvana
  - ABC floyd_the_barber.txt
  - ABC negative_creep.txt
  - ABC pennyroyal_tea.txt
  - ABC something_in_the_way.txt

Commit log

- 🟡 `new_songs` Add yet another song
- 🟡 Add song for next album
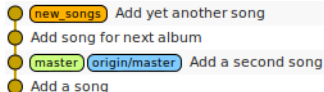- 🟡 `master` `origin/master` Add a second song
- 🟡 Add a song

Branching (local)

```
$ git checkout -b new_songs

$ touch pennyroyal_tea.txt
$ git add pennyroyal_tea.txt
$ git commit -m 'Add song for next
album'

$ touch something_in_the_way.txt
$ git add something_in_the_way.txt
$ git commit -m 'Add yet another
song'

$ git checkout master
$ git merge new_songs
```

File tree

- ▼ 📁 nirvana
  - 🔤 floyd_the_barber.txt
  - 🔤 negative_creep.txt
  - 🔤 pennyroyal_tea.txt
  - 🔤 something_in_the_way.txt

Commit log

- 🟡 `master` `new_songs` Add yet another song
- 🟡 Add song for next album
- 🟡 `origin/master` Add a second song
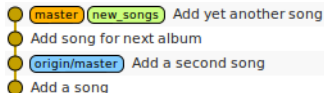- 🟡 Add a song

Branching (local)

```
$ git checkout -b new_songs

$ touch pennyroyal_tea.txt
$ git add pennyroyal_tea.txt
$ git commit -m 'Add song for next
album'

$ touch something_in_the_way.txt
$ git add something_in_the_way.txt
$ git commit -m 'Add yet another
song'

$ git checkout master
$ git merge new_songs
$ git branch -d new_songs
```

File tree

- 📁 nirvana
  - ABC floyd_the_barber.txt
  - ABC negative_creep.txt
  - ABC pennyroyal_tea.txt
  - ABC something_in_the_way.txt

Commit log

- 🟡 `master` Add yet another song
- 🟡 Add song for next album
- 🟡 `origin/master` Add a second song
- 🟡 Add a song

Branching (local)

```
$ git checkout -b new_songs

$ touch pennyroyal_tea.txt
$ git add pennyroyal_tea.txt
$ git commit -m 'Add song for next
album'

$ touch something_in_the_way.txt
$ git add something_in_the_way.txt
$ git commit -m 'Add yet another
song'

$ git checkout master
$ git merge new_songs
$ git branch -d new_songs
$ git push
```

File tree

▼ 📁 nirvana
　　📄 floyd_the_barber.txt
　　📄 negative_creep.txt
　　📄 pennyroyal_tea.txt
　　📄 something_in_the_way.txt

Commit log

🟡 [master] [origin/master] Add yet another song
🟡 Add song for next album
🟡 Add a second song
🟡 Add a song