

Some workflow best practices.

1. Work in your own **branch** a separate version of the main repository. Create

```
$ git branch NAME_OF_BRANCH
```

and switch to the new branch

```
$ git checkout NAME_OF_BRANCH
```

2. After some development on your branch, commit all changes in your branch.
3. Go back to the master branch

```
$ git checkout master
```

4. Pull from the master branch to get the latest update work

```
$ git pull origin master
```

5. Checkout to your branch

```
$ git checkout NAME_OF_BRANCH
```

6. Get the latest update work of the master branch in your branch

```
$ git pull --rebase origin master
```

7. **Resolve conflicts** and commit all changes from the merge

```
$ git add .  
$ git commit -m 'Merge in master'
```

8. Push your branch to the remote repo

```
$ git push origin NAME_OF_BRANCH
```

9. Best practice if you work with teammates: submit a **pull request** on GitHub asking to merge the branch into master. After reviewing the code, the teammate merges the pull request in the master branch. Otherwise we go back to the master branch and merge your new branch

```
$ git checkout master  
$ git merge NAME_OF_BRANCH
```
