

Université de Pau et des Pays de l'Adour

git in real life

Exercise 1. Investigating a git repository

Clone and examine your git repository

Clone your repository from the UPPA gitlab

1. How many versions does this project have on the master branch ?
2. How many files are modified between the last version and the version before ?
3. What are these modifications ?
4. How many branches exist on the repository ?

Exercise 2. Manipulating a git repository

Perform the following operations on the git repository you cloned in the previous exercise.

1. There are three branches: master, precision and doc. Merge precision and doc into master. Fix conflicts if needed.
2. Look at the perimeter calculation, there is a bug. Fix it and commit the modifications on branch master.
3. Push the master branch on the remote repository
4. There is one open issue on the gitlab web interface requesting for a new feature.
 - (a) Create a new branch from the master branch
 - (b) Implement this new feature in a new script `compute_area.py`.
 - (c) Commit these modifications to this new branch.
 - (d) Push the new branch on the repository
 - (e) Create a merge request that merge this new branch in the master branch
 - (f) Merge this branch into master using the merge request mechanism on the web interface.
5. Tag this latest version release-1.0
6. Ensure this tag is available on the gitlab server.