TP 4:

On initialise le repo git avec la ligne SSH:

```
ilias@jerry:~/tp-4-docker$ ssh-keygen -t ed25519 -C "iliass.boukhris@gmail.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/home/ilias/.ssh/id_ed25519):
/home/ilias/.ssh/id_ed25519 already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ilias/.ssh/id_ed25519
Your public key has been saved in /home/ilias/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:NaDyTcddz3b+df3jlJKK/ZG8Lu6lsCCnTsH3O+/PVg8 iliass.boukhris@gmail.com
The key's randomart image is:
   -[ED25519 256]--+
        . . = . =
      .000.
                 00
       o..S
               . E.*
       o o o B.=+
       + ..*.=.* 0
ilias@jerry:<mark>~/tp-4-docker$</mark> cat ~/.ssh/id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAID37aNwhJvHYgxaVEeD3Gjgclzipq+VoZf/10RLHJG/9 iliass.boukhris@gmail.com
ilias@jerry:<mark>~/tp-4-docker$</mark> ssh -T git@github.com
Hi IliassBoss212! You've successfully authenticated, but GitHub does not provide shell access.
llias@jerry:~/tp-4-docker$ git push --set-upstream origin master
numerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.

Vriting objects: 100% (5/5), 460 bytes | 460.00 KiB/s, done.

Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:IliassBoss212/tp-4-docker.git
                           master -> master
* [new branch]
pranch 'master' set up to track 'origin/master'.
llias@jerry:~/tp-4-docker$ git add .
lias@jerry:~/tp-4-docker$ git commit -m "test"
On branch master
our branch is up to date with 'origin/master'.
nothing to commit, working tree clean
ilias@jerry:~/tp-4-docker$ git push
verything up-to-date
```

Test du premier workflow:



Création de 2 fichier python :

```
ilias@jerry:~/tp-4-docker$ ls
Dockerfile __pycache__ simple_math.py test_simple_math.py
ilias@jerry:~/tp-4-docker$

"""

class@jerry:~/tp-4-docker$

"""

class SimpleMath:
    """
    Classe avec des méthodes statiques pour les opérations mathématiques de base.
    """

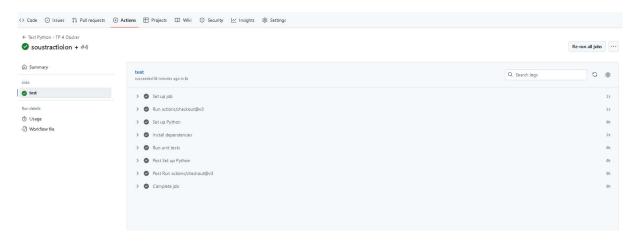
@staticmethod
    def addition(a, b):
        """
        return a + b

@staticmethod
def soustraction(a, b):
        """
        Retourne la différence entre a et b.
        """
        return a - b
```

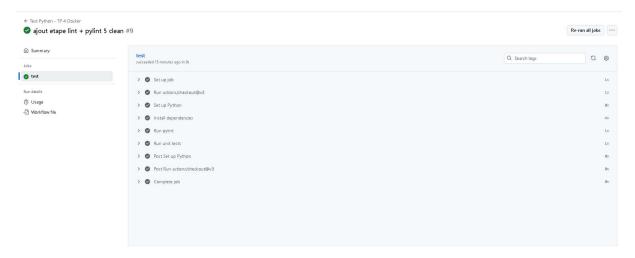
:waq

:wq

Test d'addition et soustraction :

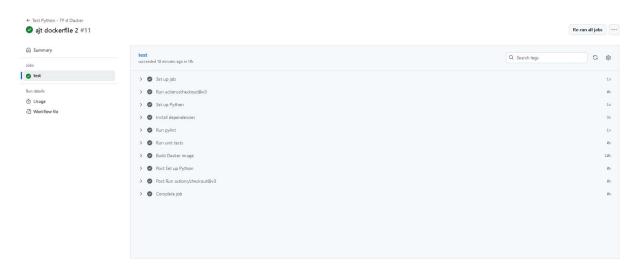


Ajout de l'étape de lint qui valide la syntaxe du code :



J'ai mis 9 commit + push pour qu'elle soit validé.

Ajout d'une etape qui build un conteneur Docker embarquant l'appli.



Elle execute bien les tests unitaires dès le run d'un nouveau conteneur à partir de l'image :