Institut Universitaire des Sciences (IUS)

Faculté des Sciences et Technologies

(FST)

RAPPORT

SUR LE TRAVAIL DE LABORATOIRE № 1

Cours : Systèmes d'Exploitation Linux

Soumis au Chargé de cours : **Ismael SAINT AMOUR**

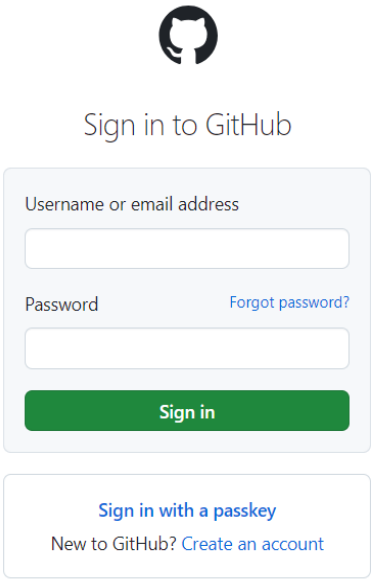
Niveau L3

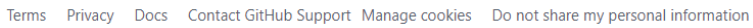
Préparé par : **Robaldo BADIO**

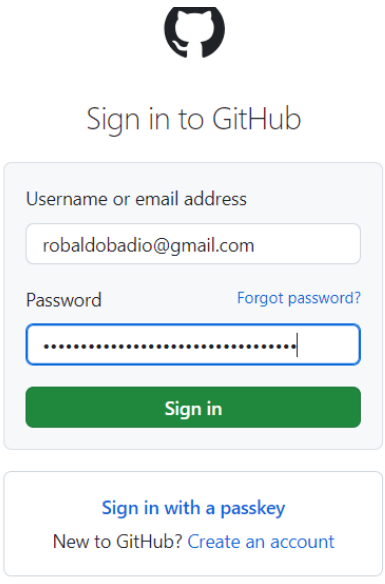
Date : Le 19 / 10 / 2024

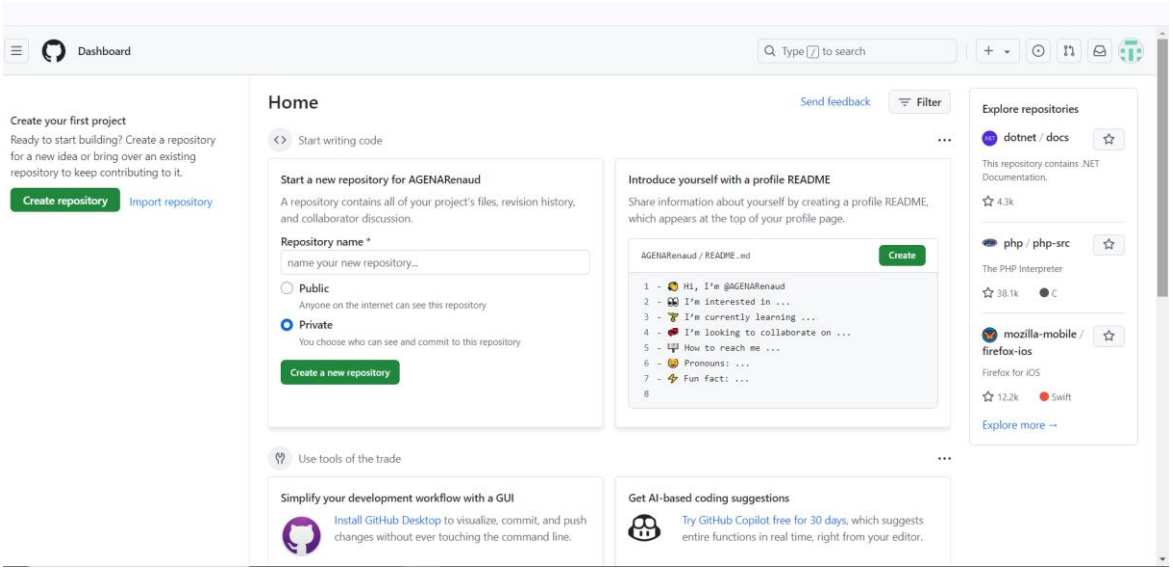
Exécution du TD

1. Créez un compte sur [GitHub]

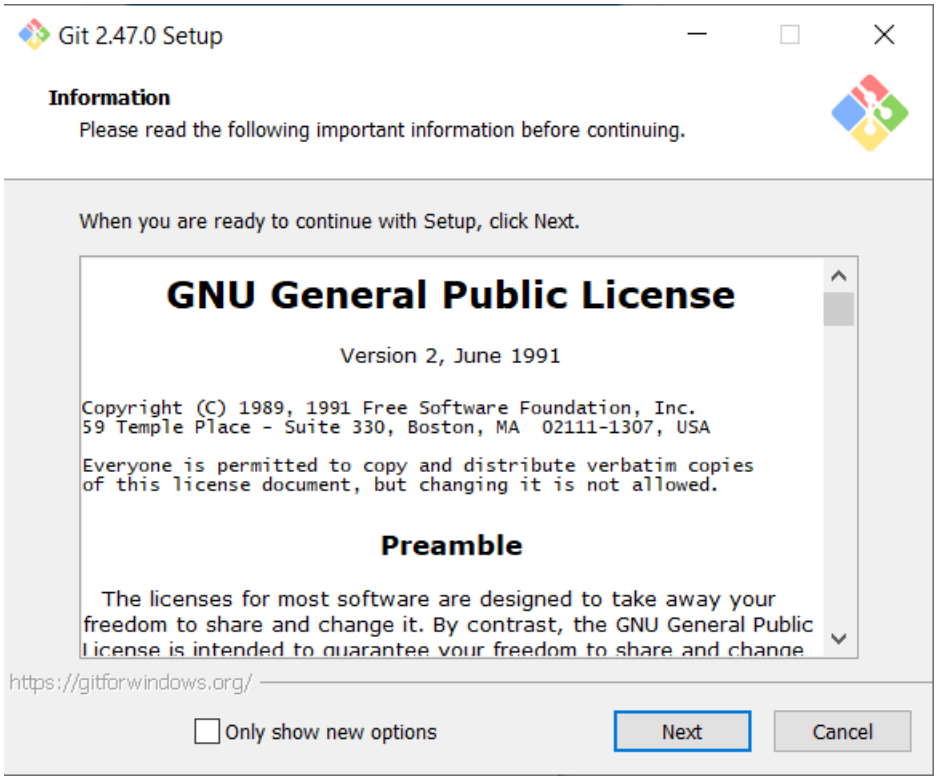


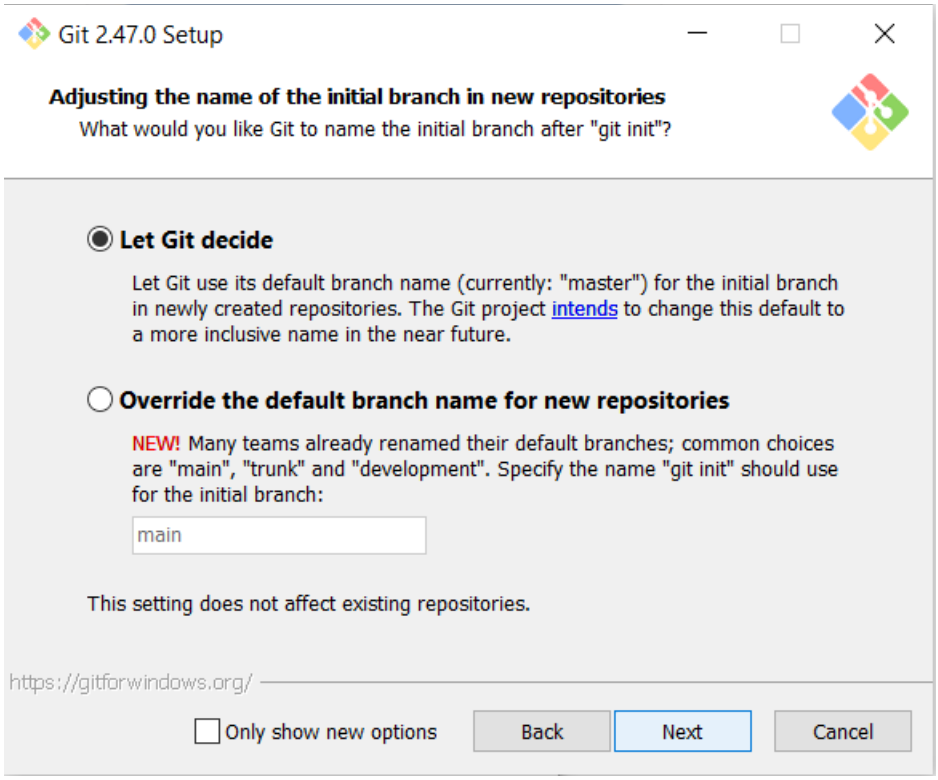


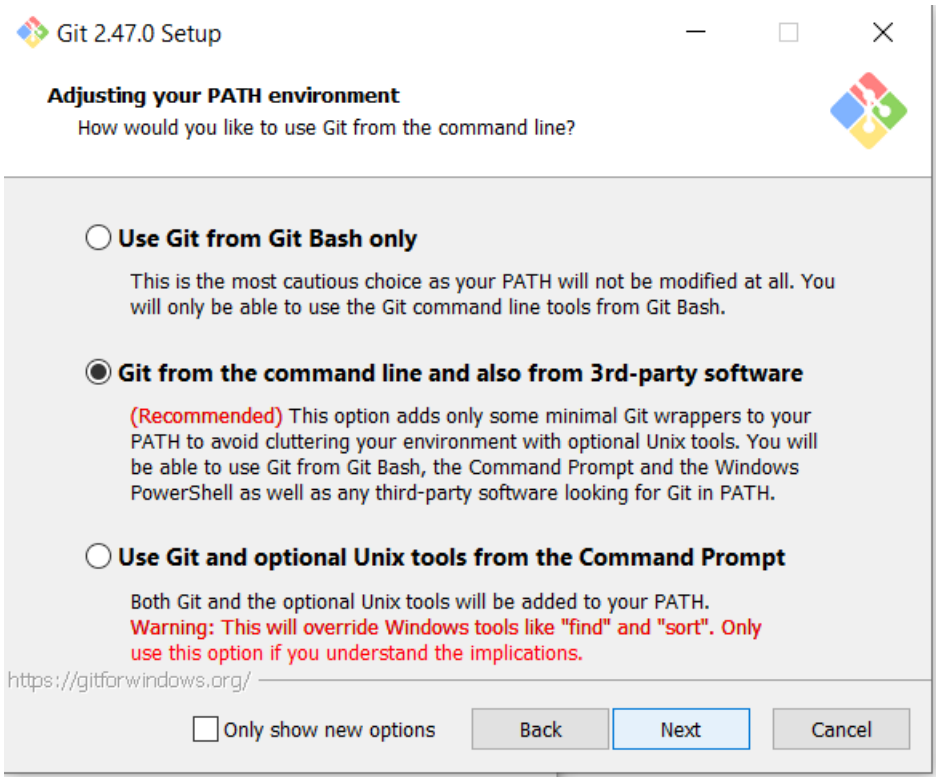


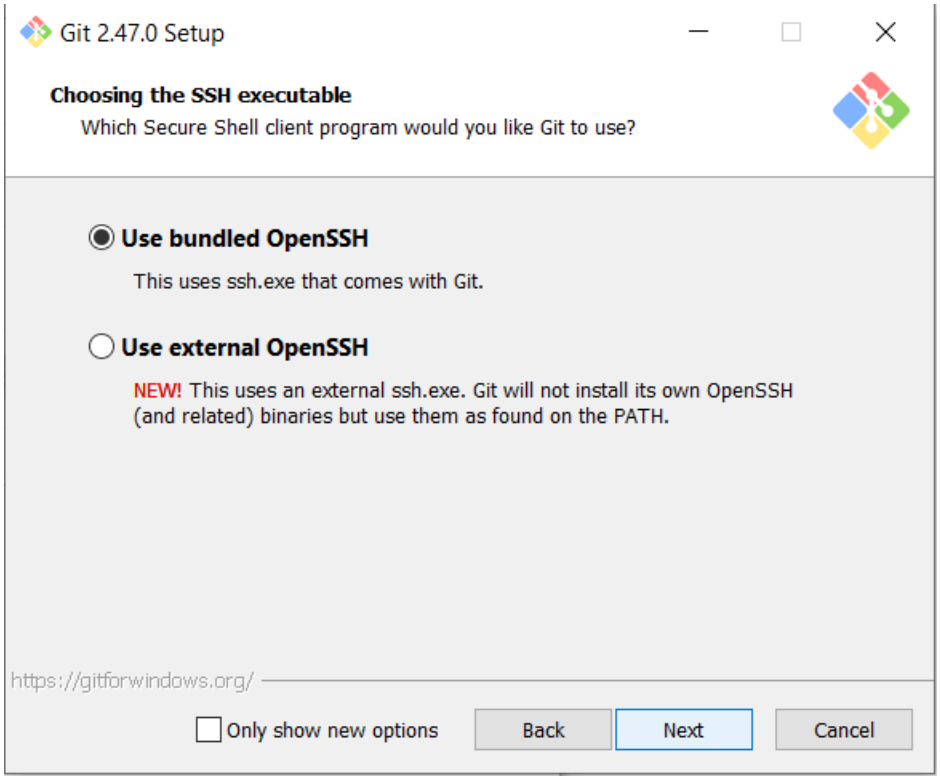


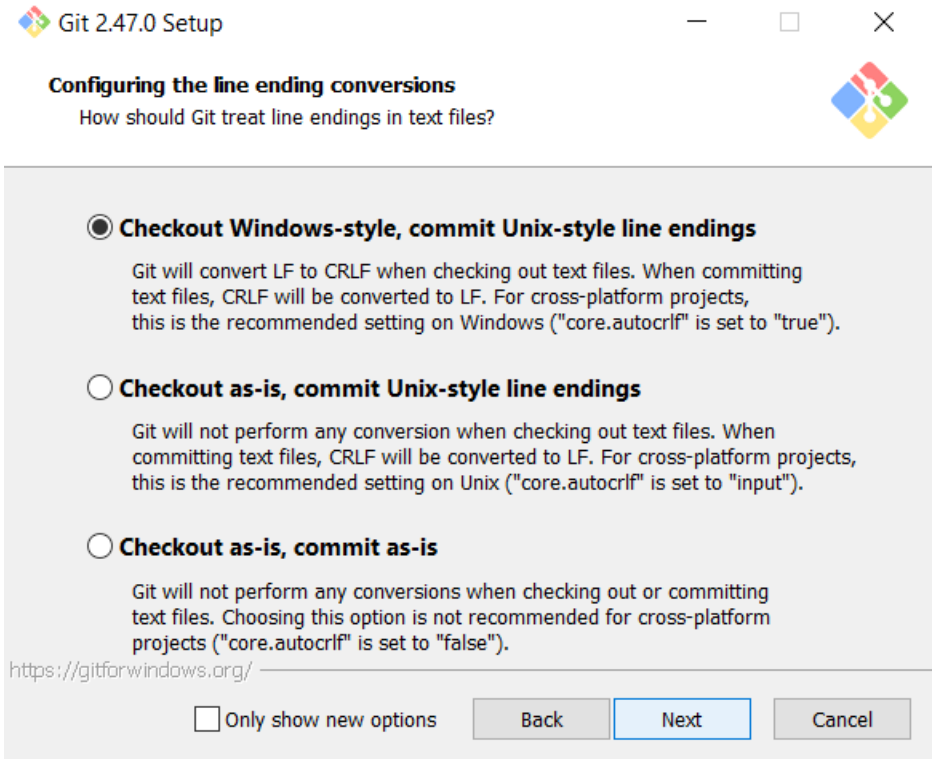
2. Installation de Git



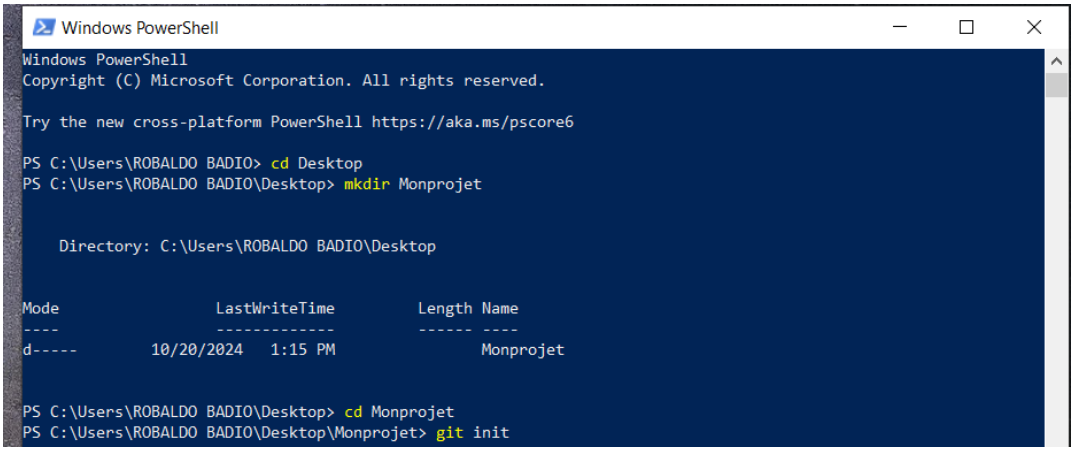

Git 2.47.0 Setup
Adjusting the name of the initial branch in new repositories
What would you like Git to name the initial branch after "git init"?
Let Git decide
Let Git use its default branch name (currently: "master") for the initial branch in newly created repositories. The Git project intends to change this default to a more inclusive name in the near future.
Override the default branch name for new repositories
NEW! Many teams already renamed their default branches; common choices are "main", "trunk" and "development". Specify the name "git init" should use for the initial branch:
main
This setting does not affect existing repositories.
https://gitforwindows.org/
Only show new options
Back
Next
Cancel


Git 2.47.0 Setup
Adjusting your PATH environment
How would you like to use Git from the command line?
Use Git from Git Bash only
This is the most cautious choice as your PATH will not be modified at all. You will only be able to use the Git command line tools from Git Bash.
Git from the command line and also from 3rd-party software
(Recommended) This option adds only some minimal Git wrappers to your PATH to avoid cluttering your environment with optional Unix tools. You will be able to use Git from Git Bash, the Command Prompt and the Windows PowerShell as well as any third-party software looking for Git in PATH.
Use Git and optional Unix tools from the Command Prompt
Both Git and the optional Unix tools will be added to your PATH.
Warning: This will override Windows tools like "find" and "sort". Only use this option if you understand the implications.
https://gitforwindows.org/
Only show new options
Back
Next
Cancel

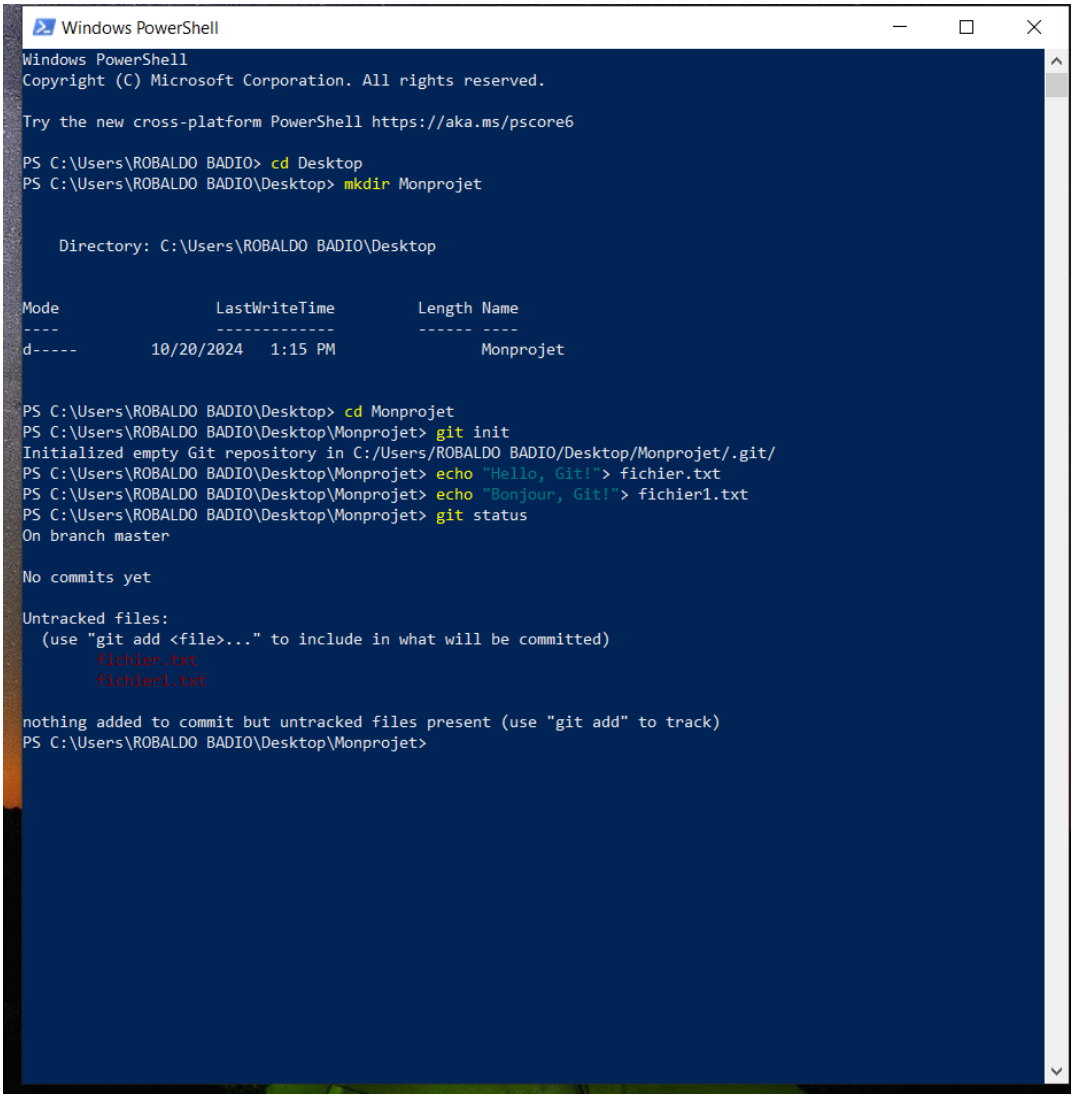

Git 2.47.0 Setup
Choosing the SSH executable
Which Secure Shell client program would you like Git to use?
Use bundled OpenSSH
This uses ssh.exe that comes with Git.
Use external OpenSSH
NEW! This uses an external ssh.exe. Git will not install its own OpenSSH (and related) binaries but use them as found on the PATH.
https://gitforwindows.org/
Only show new options
Back
Next
Cancel

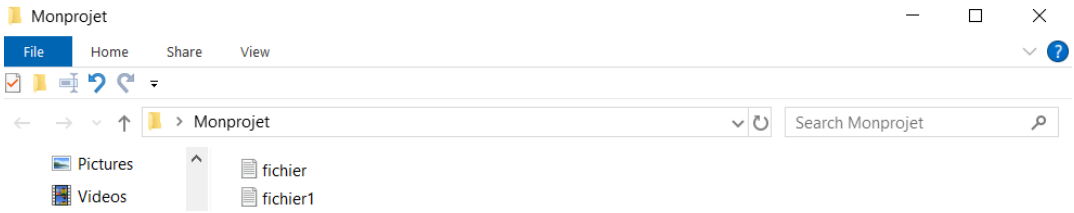

Git 2.47.0 Setup
Configuring the line ending conversions
How should Git treat line endings in text files?
Checkout Windows-style, commit Unix-style line endings
Git will convert LF to CRLF when checking out text files. When committing text files, CRLF will be converted to LF. For cross-platform projects, this is the recommended setting on Windows ("core.autocrlf" is set to "true").
Checkout as-is, commit Unix-style line endings
Git will not perform any conversion when checking out text files. When committing text files, CRLF will be converted to LF. For cross-platform projects, this is the recommended setting on Unix ("core.autocrlf" is set to "input").
Checkout as-is, commit as-is
Git will not perform any conversions when checking out or committing text files. Choosing this option is not recommended for cross-platform projects ("core.autocrlf" is set to "false").
https://gitforwindows.org/
Only show new options
Back
Next
Cancel

3. Créer un nouveau projet

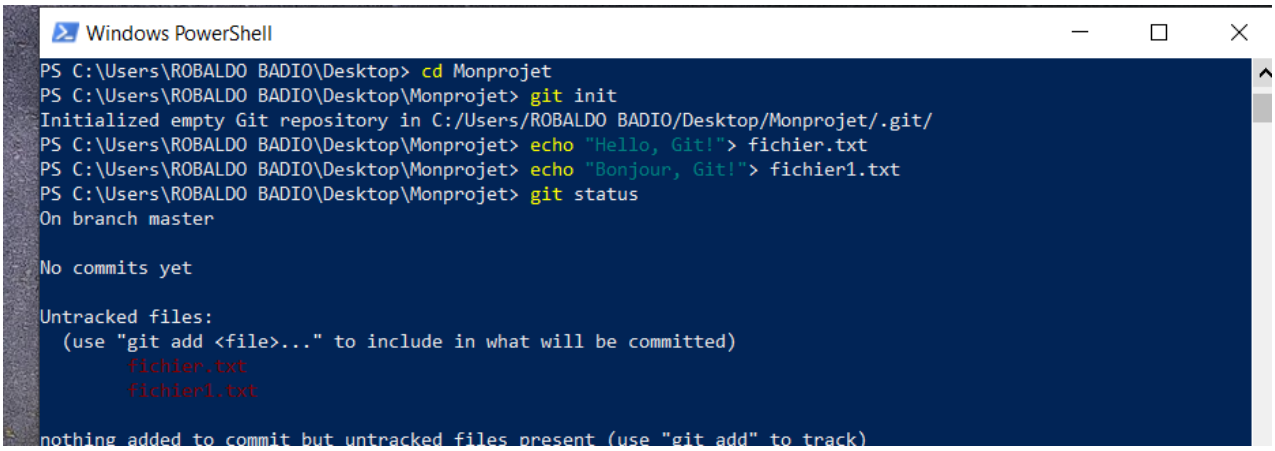


4. Ajouter un fichier au dépôt et de suivre avec git



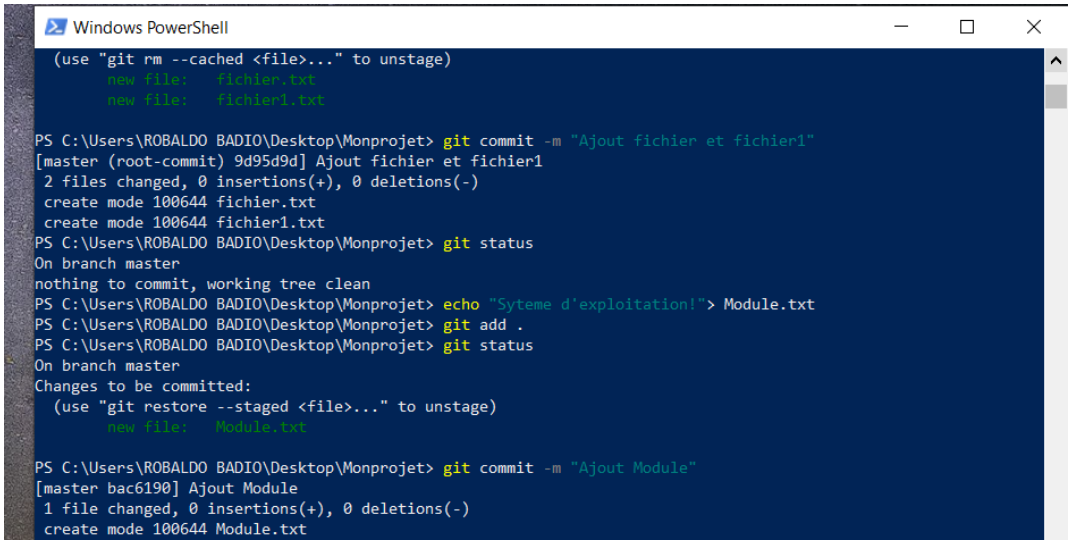


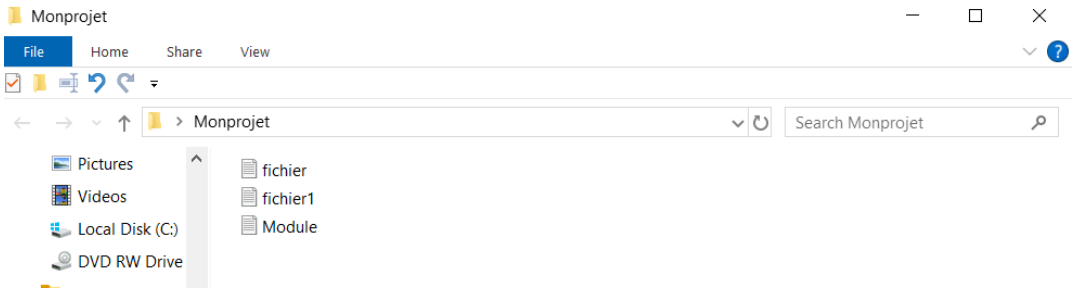
5. Affichez les modifications non validées et les fichiers non suivis



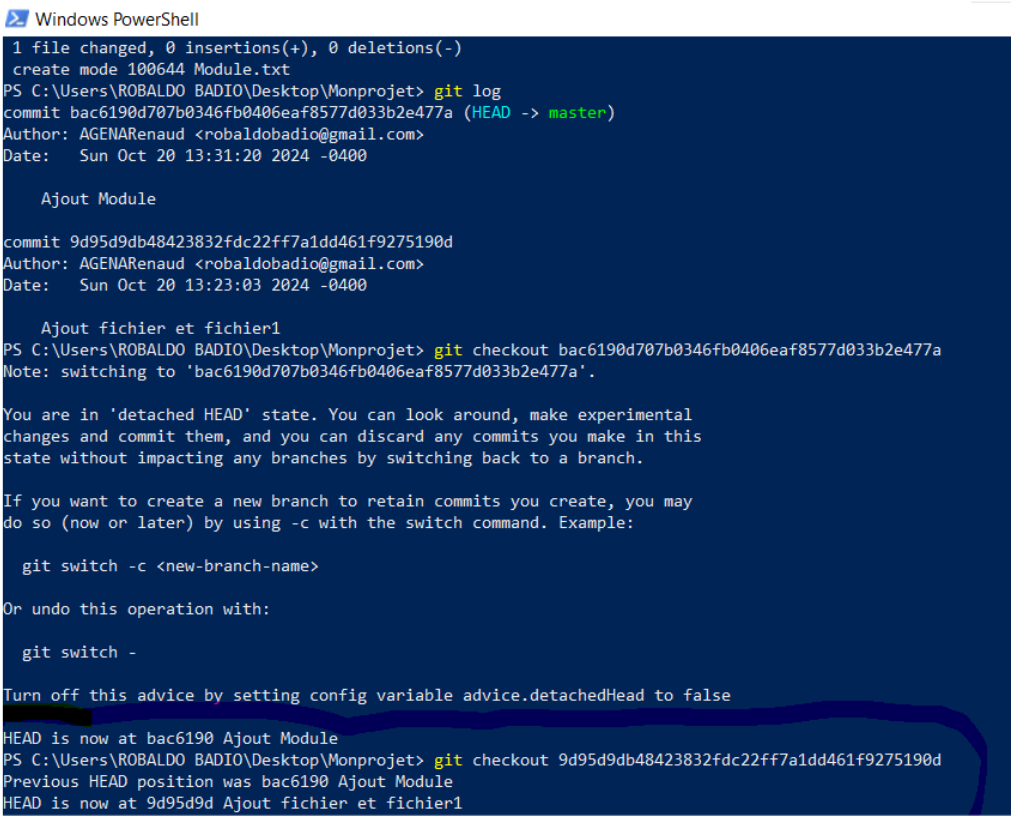
6. Ajouter tous les fichiers modifiés

7. Enregistrez les modifications ajoutées dans l'historique du projet





8. Voir l'historique des commits

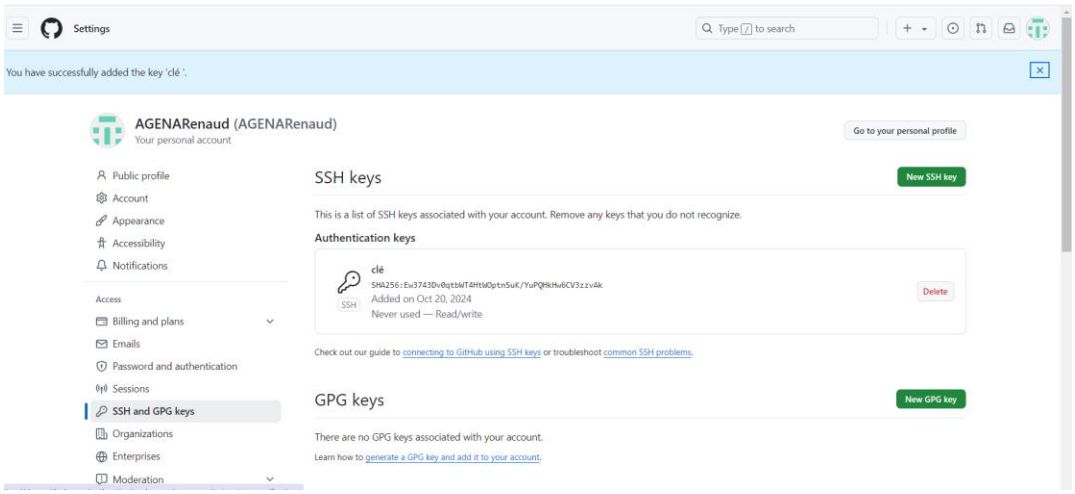


9. Generer une nouvelle clé ssh

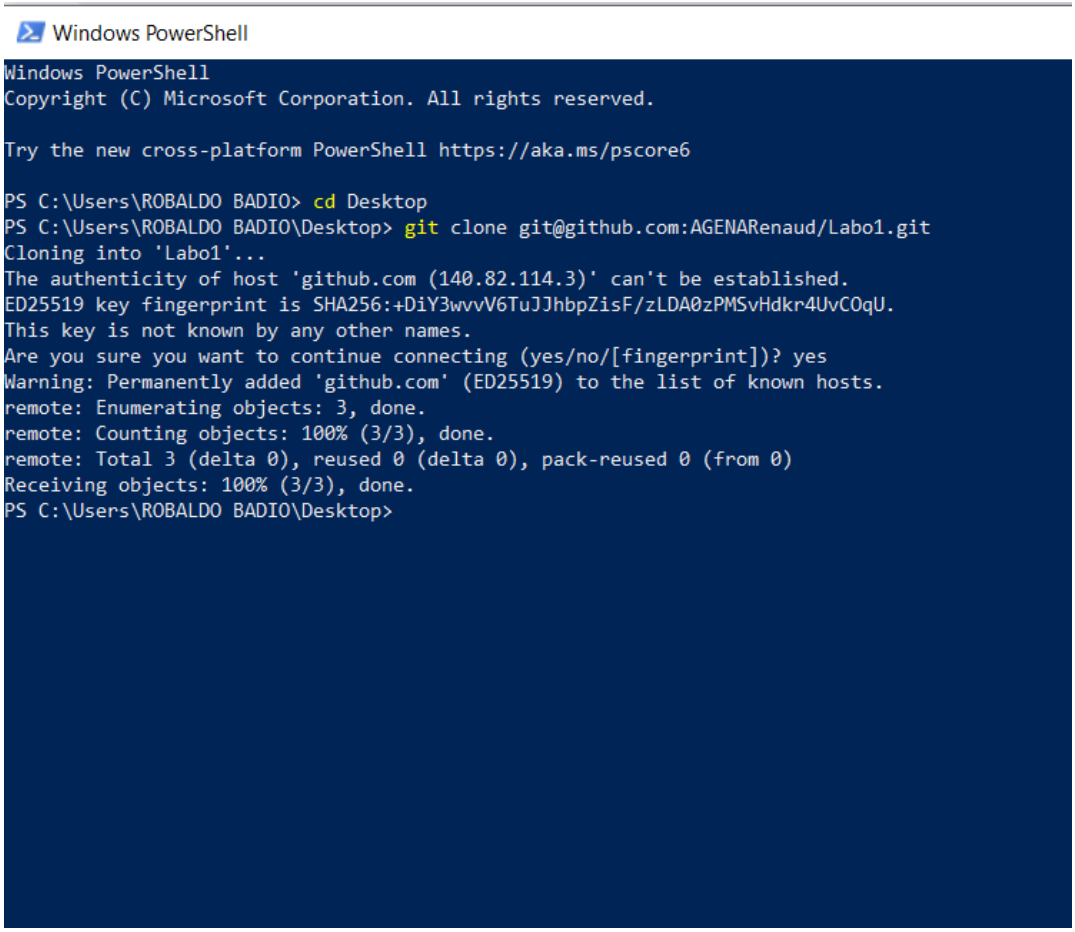
MINGW64:/c/Users/ROBALDO BADIO

```
ROBALDO BADIO@ROBALDO MINGW64 ~
$ ssh-keygen -t rsa -b 4096 -C "robaldobadio@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/ROBALDO BADIO/.ssh/id_rsa):
Enter passphrase for "/c/Users/ROBALDO BADIO/.ssh/id_rsa" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/ROBALDO BADIO/.ssh/id_rsa
Your public key has been saved in /c/Users/ROBALDO BADIO/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:Ew3743DvOqtbWT4HtWOptnSuK/YuPQHkHw6CV3zzvAk robaldobadio@gmail.com
The key's randomart image is:
+---[RSA 4096]----+
|        . .      |
|         + + o   |
|        + = . + .|
|       . = + E +o|
|        S = = ==o|
|         = o Bo+.|
|          ..=++..|
|          .*+o+o |
|          ++BB+. |
+----[SHA256]-----+

ROBALDO BADIO@ROBALDO MINGW64 ~
$ cat ~ ^C


ROBALDO BADIO@ROBALDO MINGW64 ~
$ cat ~ /.ssh/id_rsa.pub

cat: '/c/Users/ROBALDO BADIO': Is a directory
cat: /.ssh/id_rsa.pub: No such file or directory

ROBALDO BADIO@ROBALDO MINGW64 ~
$ cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAACAQCSilUUvCZM2tJHkcSnbWJEZqx7sPgZlaydsbtBPb+jEDOfJsmgNbxy+zuCLROlQlHs
YkW/oR2QMiiFpq7Yxr3M6tVPGdteTfEOjTZ0NNGu3/EwXgEbQaPgw8pLtPFqCGoDZMhVD6PGmn2/QPR7tkms6Ah4xhUuiJOsRGB/v+Q4
oQmP6pt+Bnblsomhcmh Tg18bmgCnWN134O/ObC7n7oNdR/AmCmSc4j6oYMgk+NVgt6OUiz9MHOkztegKTbFU/9jotjdFYOOfdubm9qDC
qFMrfx5xXKZSB4ShP7hryKdv9xSOvQEgGAIkMOsJAMSn81AuQTTuIguDyBSLB1LYiEOTmDdMeYsKW2KSoyxtuZoAtU64RiVvTxASKEpf
BuhPyo5T/vDxF43+Qk3br/HEhqPsRpBLrN/n9bt8dOwBSVZ/YT4k4tIPTSILaPghs+INDazqLOFf/8DKrIf2momhUZucIeytbi1u1rMZ
6/NskKGXtKva8JEPujTONIgzORL+LbU2XSKpIVOEwhHaYd4YbkIRJLAPyQLYXrPl8v40QahAlDbK3k+aKnFf8CQWAUYMCkKmj/SHpsDr
8PNZp/QuOEsABfFdc6SBkilhouZFX97lMF6XFnXGOoYOSbkUXrgT4+KkfXPM3qIbyIrdb2gmnAiL6MLf2zQ7kLgzVw5vzvY/kQ== rob
aldobadio@gmail.com

ROBALDO BADIO@ROBALDO MINGW64 ~
$
```

10. Ajouter la clé à mon compte GitHub



11. Créer un dépôt Git et GitHub



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?
Import a repository.

Required fields are marked with an asterisk (*).

Owner * / Repository name *

AGENARenaud / Labo1

Labo1 is available.

Great repository names are short and memorable. Need inspiration? How about **musical-adventure** ?

Description (optional)

- Public
  Anyone on the internet can see this repository. You choose who can commit.
- Private
  You choose who can see and commit to this repository.

Initialize this repository with:

- [x] Add a README file
  This is where you can write a long description for your project. Learn more about READMEs.

Add .gitignore

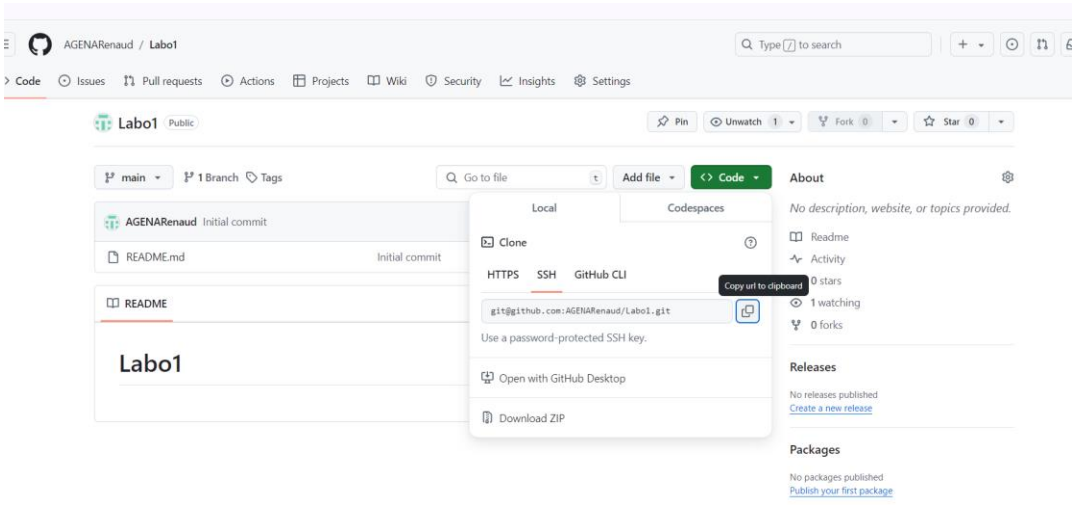
.gitignore template: None

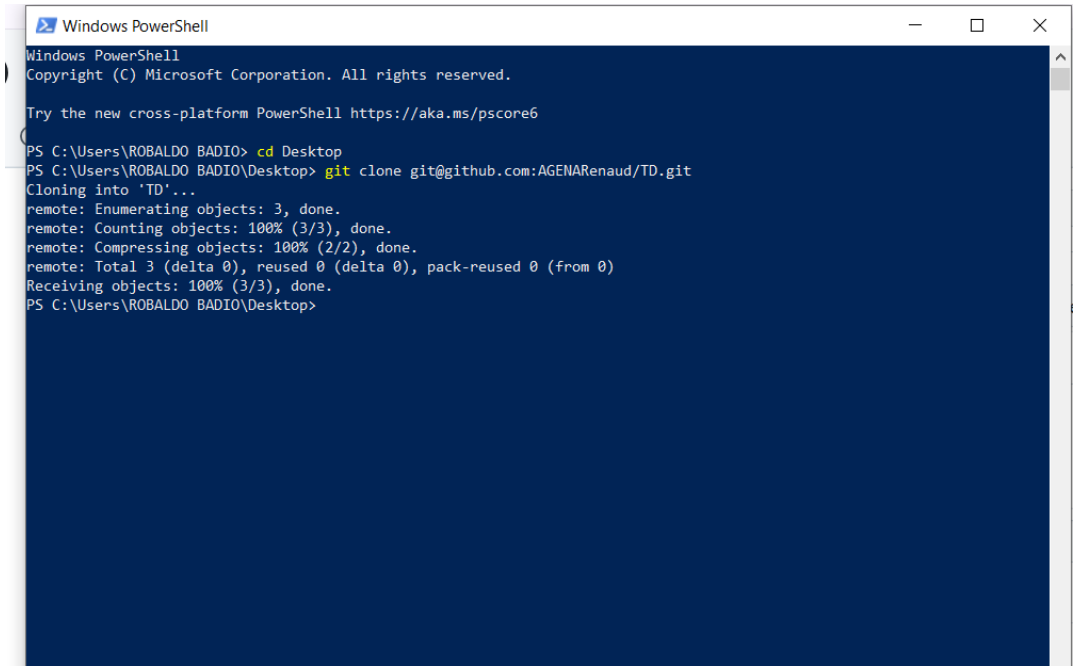
Choose which files not to track from a list of templates. Learn more about ignoring files.

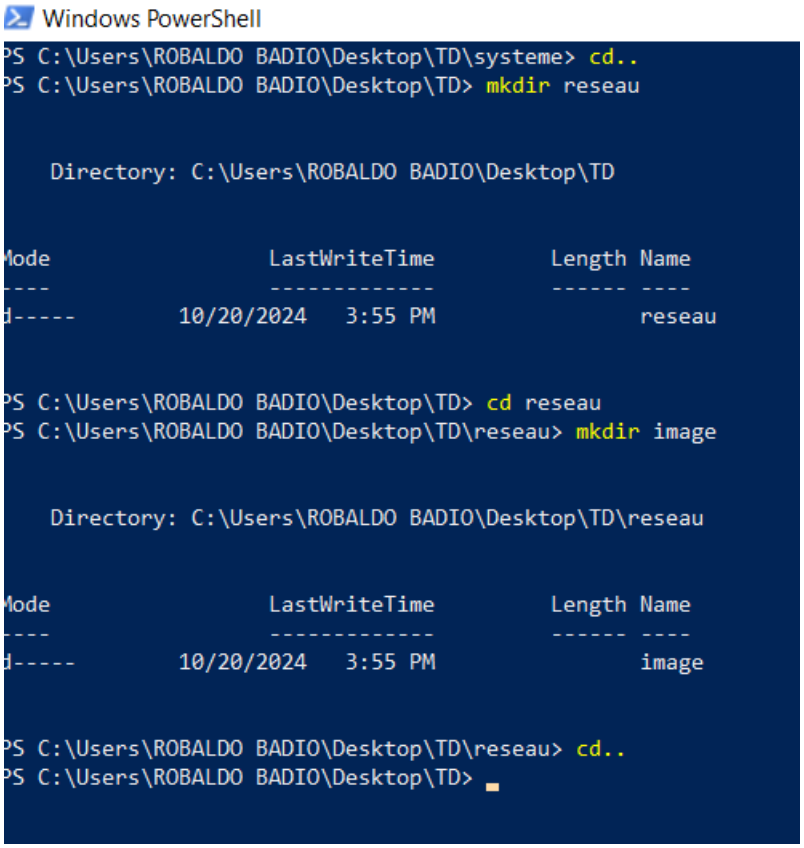
Choose a license

License: None

A license tells others what they can and can't do with your code. Learn more about licenses




Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\Users\ROBALDO BADIO> cd Desktop
PS C:\Users\ROBALDO BADIO\Desktop> git clone git@github.com:AGENARenaud/TD.git
Cloning into 'TD'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
PS C:\Users\ROBALDO BADIO\Desktop>


Windows PowerShell
PS C:\Users\ROBALDO BADIO\Desktop\TD\systeme> cd..
PS C:\Users\ROBALDO BADIO\Desktop\TD> mkdir reseau
Directory: C:\Users\ROBALDO BADIO\Desktop\TD
Mode LastWriteTime Length Name
d----- 10/20/2024 3:55 PM reseau
PS C:\Users\ROBALDO BADIO\Desktop\TD> cd reseau
PS C:\Users\ROBALDO BADIO\Desktop\TD\reseau> mkdir image
Directory: C:\Users\ROBALDO BADIO\Desktop\TD\reseau
Mode LastWriteTime Length Name
d----- 10/20/2024 3:55 PM image
PS C:\Users\ROBALDO BADIO\Desktop\TD\reseau> cd..
PS C:\Users\ROBALDO BADIO\Desktop\TD>

En conclusion, ce travail me permet de mieux comprendre quelques fonctionnalités sur Git et GitHub et je peux dire avec un bon enseignant, on peut tout comprendre et accomplir dans quelques heures de cours.