FACULTÉ DES SCIENCES ET DES TECHNOLOGIES(FST)

RAPPORT SUR LE TRAVAIL DE LABORATOIRE N°_1

COURS: Systèmes

PRÉNOM: Lens Sandro

NOM: PÉTIOTE

NIVEAU: L3

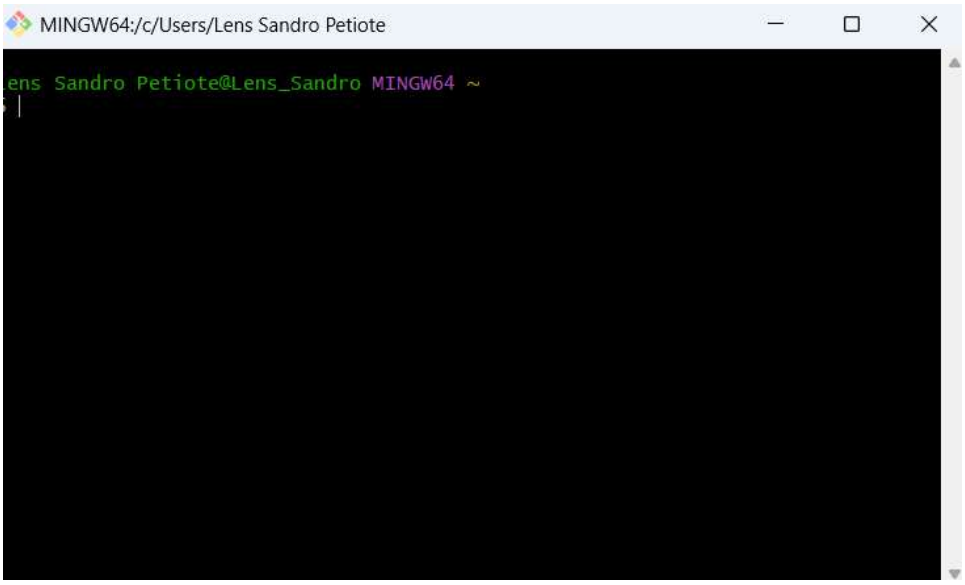
DATE: 22/10/2024

L’objectif de ce TD est de:

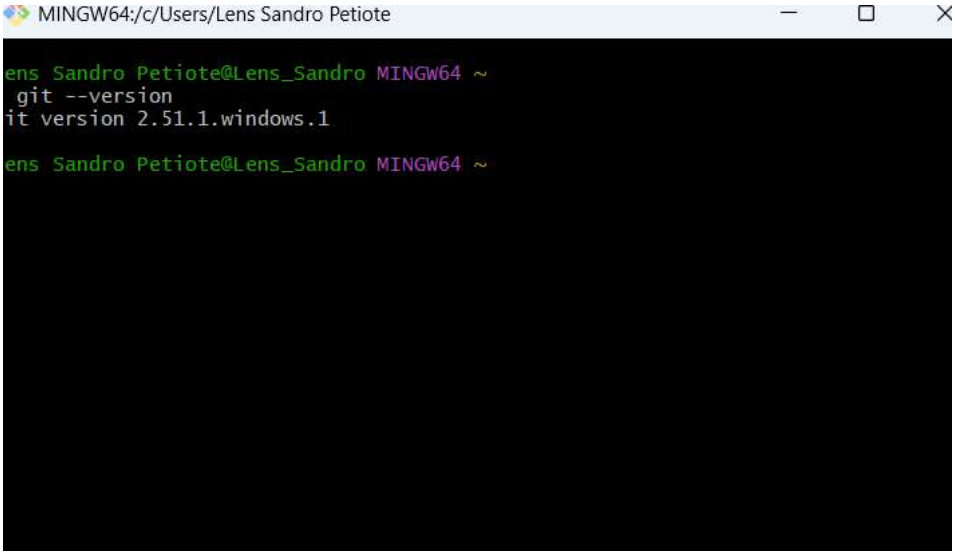
1. Comprendre les concepts de base de Git (système de gestion de versions).
2. Savoir utiliser Git pour gérer un projet localement.
3. Découvrir GitHub et apprendre à collaborer sur un dépôt distant.

PREMIÈRE PARTIE.

1.Installation de Git sur Windows.



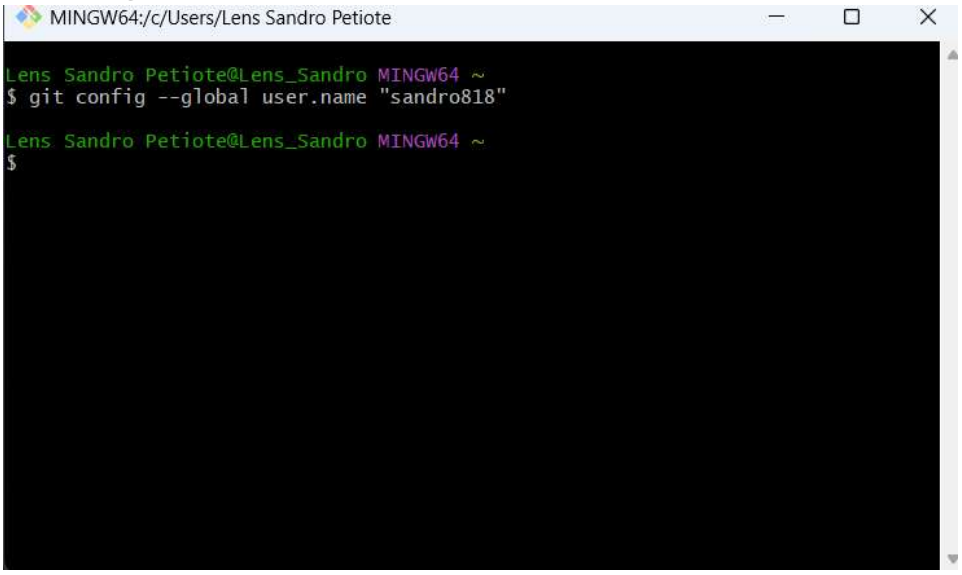
2. Vérifier l'installation.



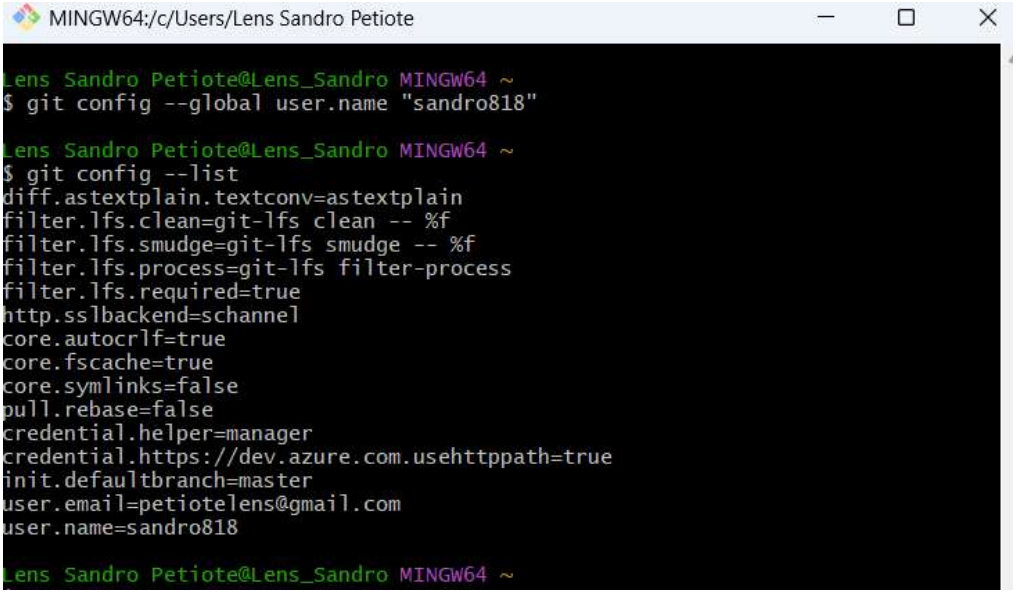
3. Création d'un compte GitHub.

R/ Mon compte GitHub est déjà crée.

4. Configurer Git.

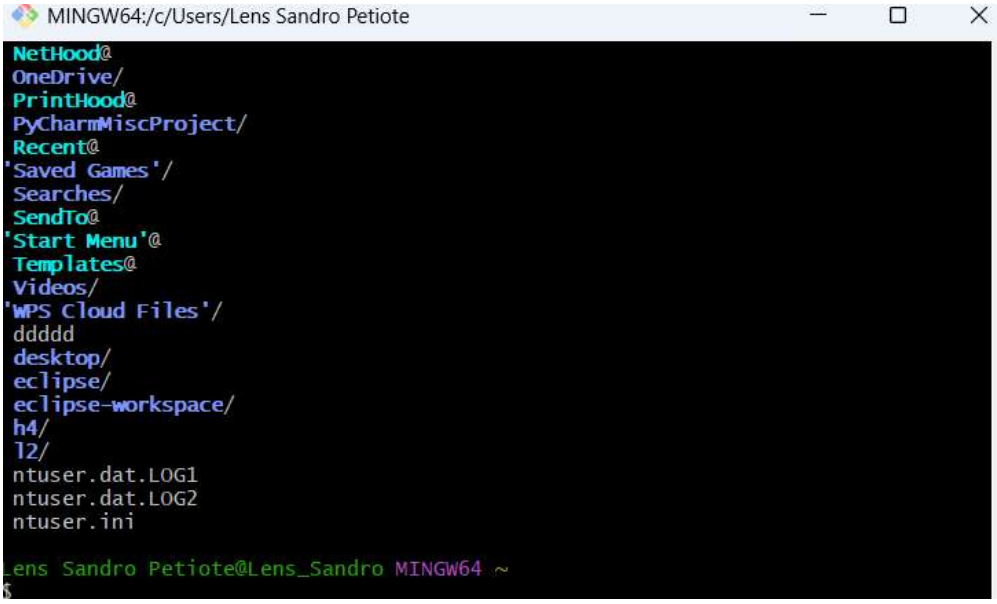


-Vérifions:

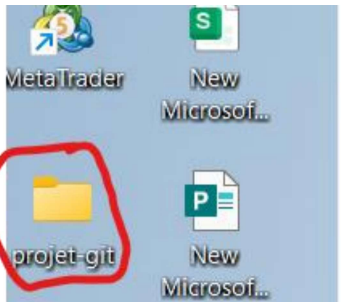


5. Tester Git avec PowerShell.

- Créer un dossier test:

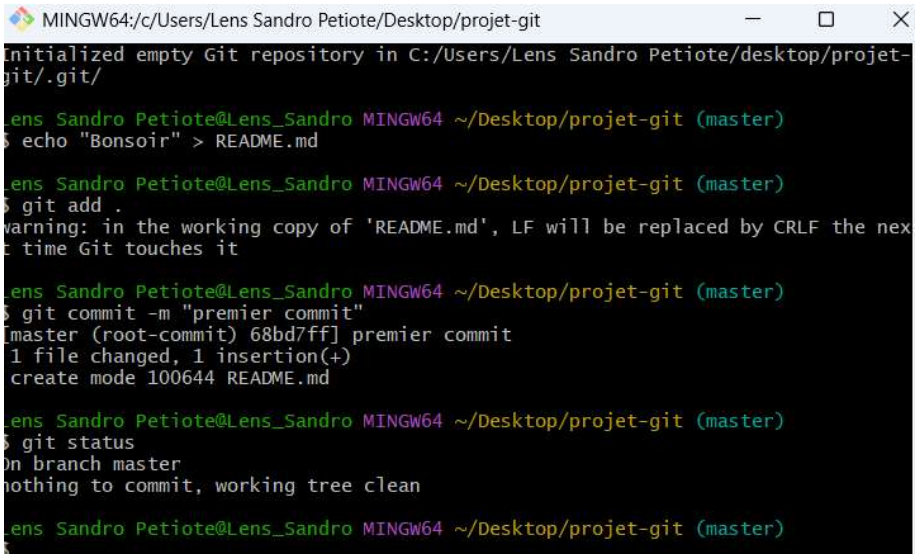


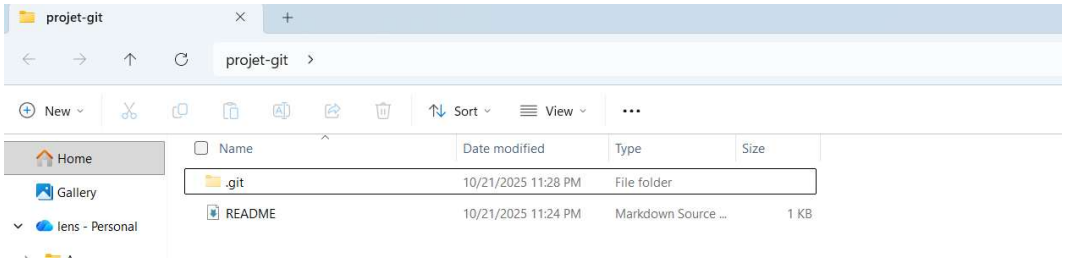
```
MINGW64:/c/Users/Lens Sandro Petiote/Desktop
Searches/
SendTo@
'Start Menu'@
Templates@
Videos/
'WPS Cloud Files'/
ddddd
desktop/
eclipse/
eclipse-workspace/
h4/
l2/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini

Lens Sandro Petiote@Lens_Sandro MINGW64 ~
$ cd Desktop

Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop
$ mkdir projet-git

Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop
```



-Initialiser un dépôt :

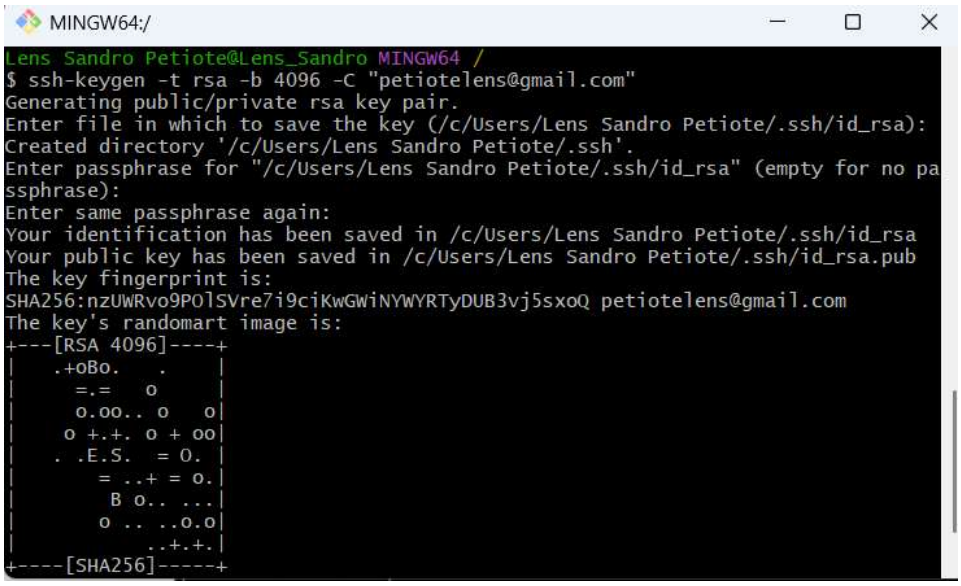
```
MINGW64:/c/Users/Lens Sandro Petiote/Desktop/projet-git
Lens Sandro Petiote@Lens_Sandro MINGW64 ~
$ cd Desktop

Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop
$ mkdir projet-git

Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop
$ cd projet-git

Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/projet-git
$ git init
Initialized empty Git repository in C:/Users/Lens Sandro Petiote/desktop/projet-
git/.git/

Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/projet-git (master)
$ echo "Bonsoir" > README.md

Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/projet-git (master)
$ git add .
warning: in the working copy of 'README.md', LF will be replaced by CRLF the nex
t time Git touches it

Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/projet-git (master)
$ git commit -m "premier commit"
```



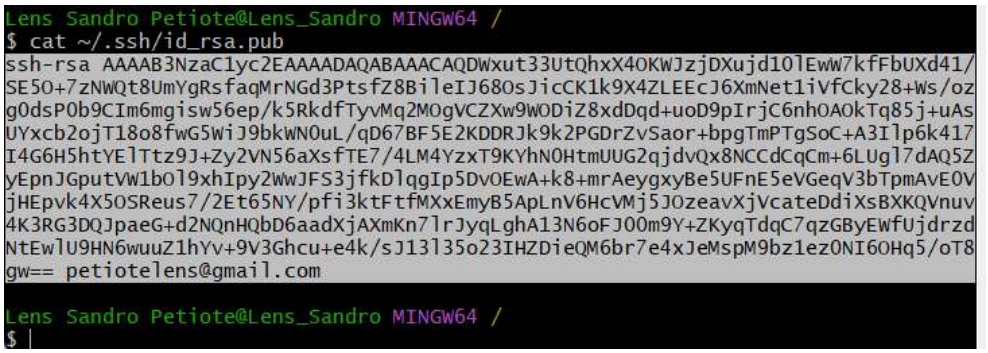


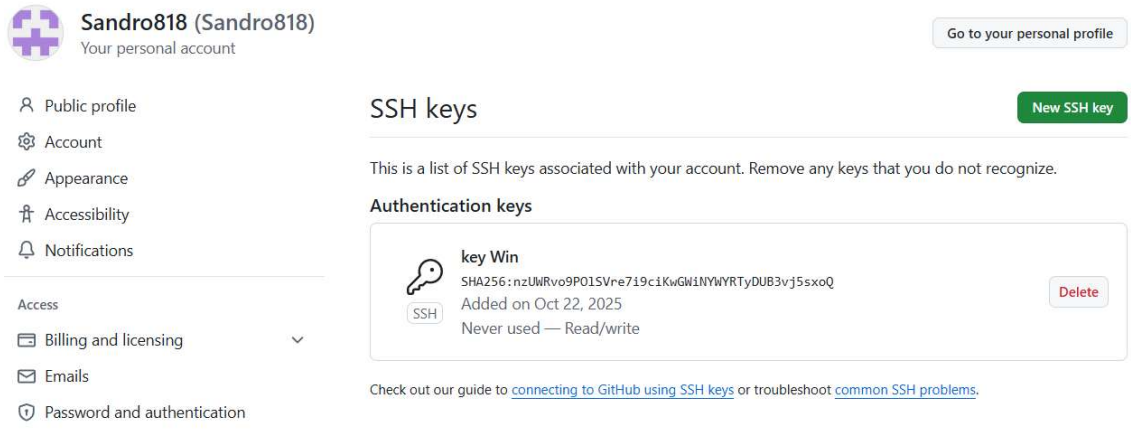
-Historique des Commits:

6. Générer une nouvelle clé SSH.

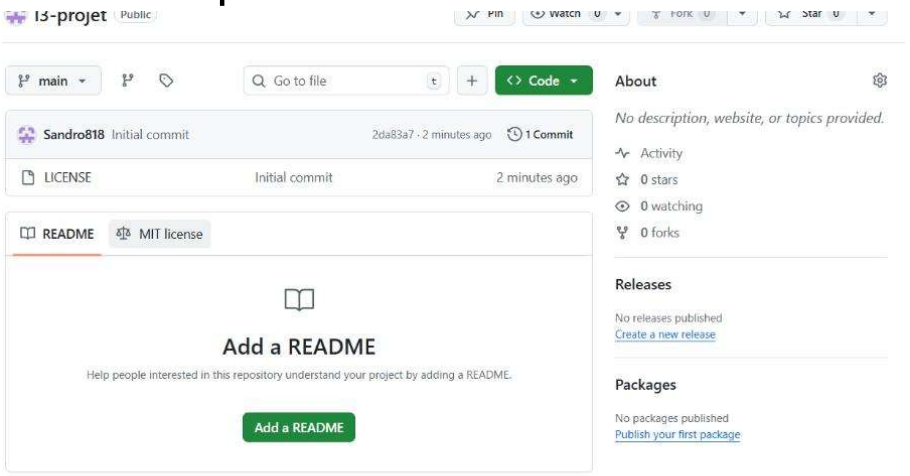


-Affichons la clé publique génerée:

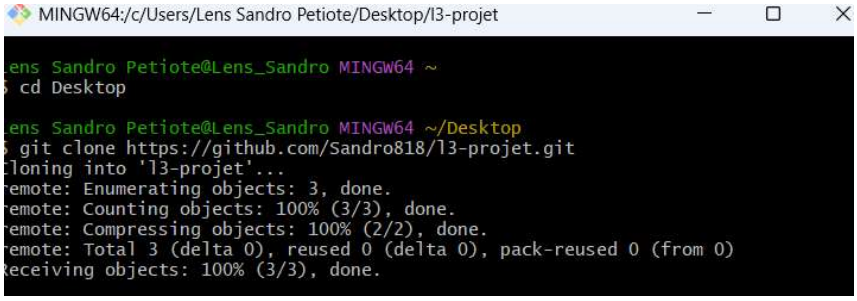


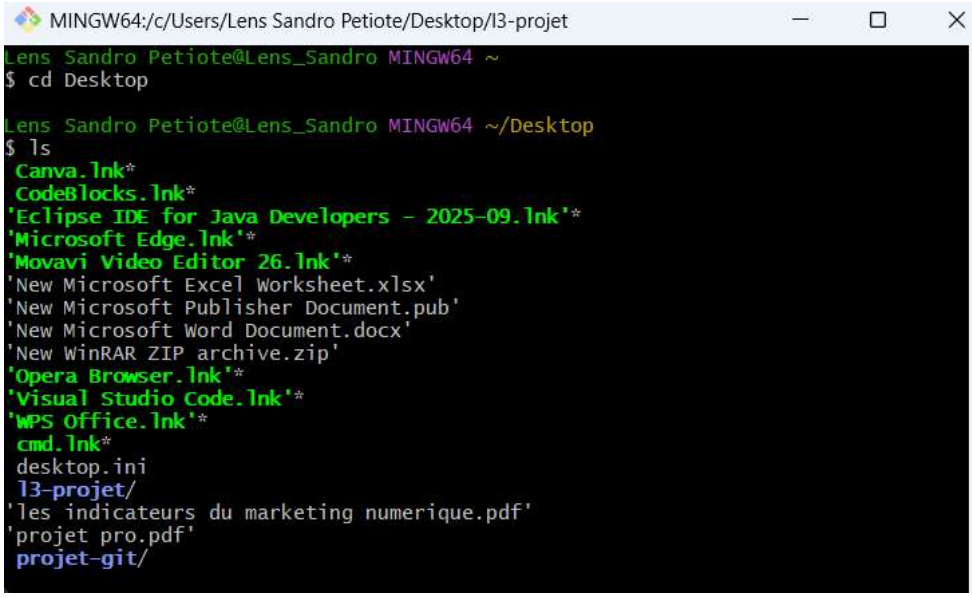


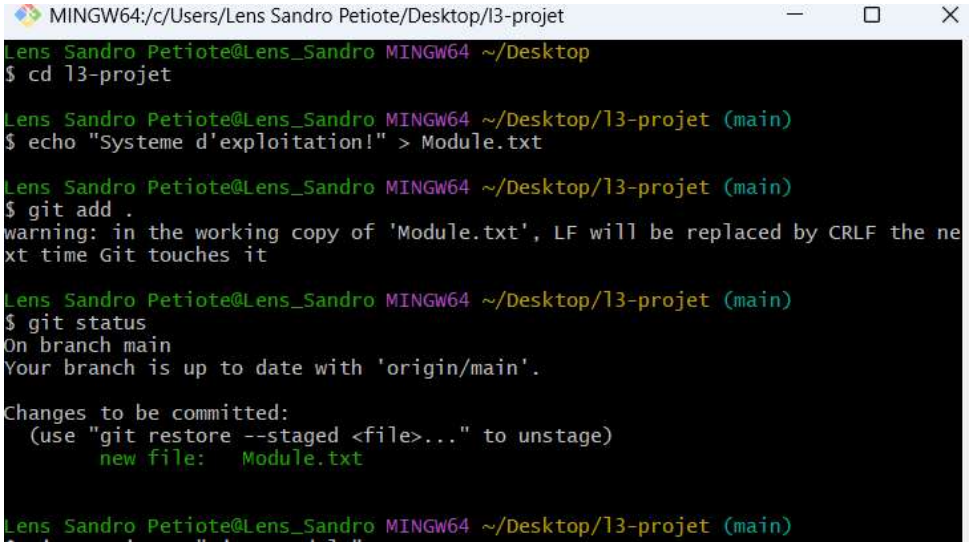
7. Créer un dépôt GitHub.

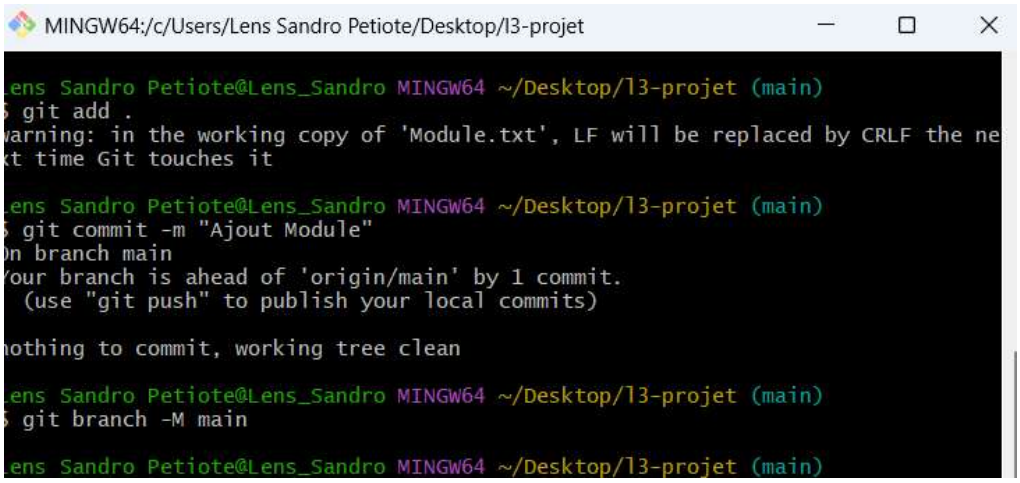


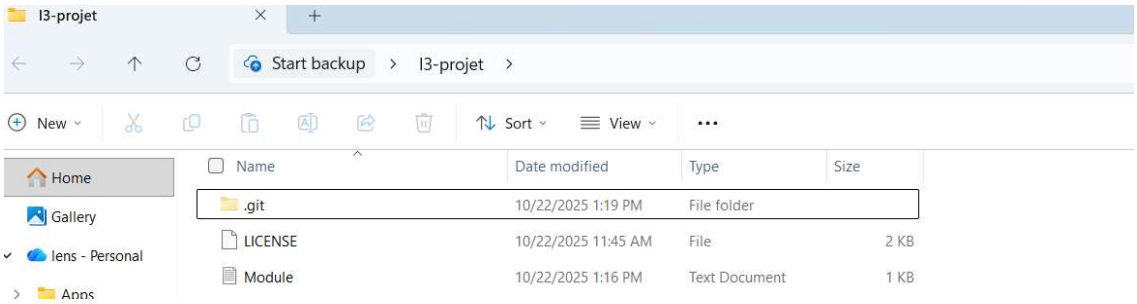
8. Cloner un dépôt GitHub via SSH.

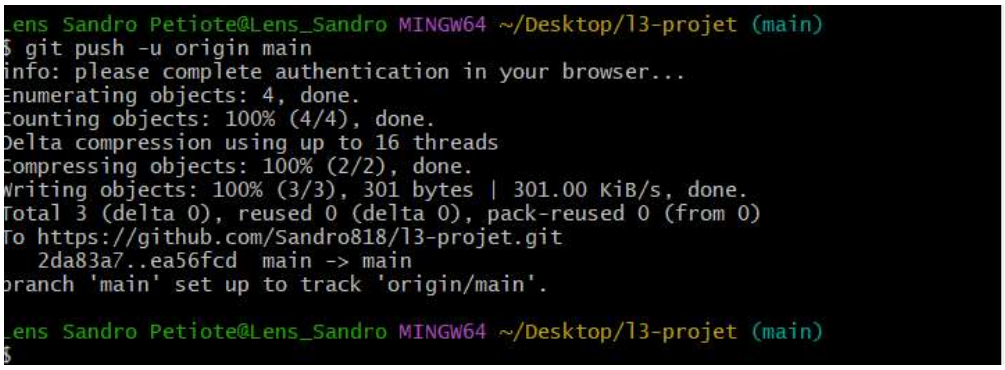


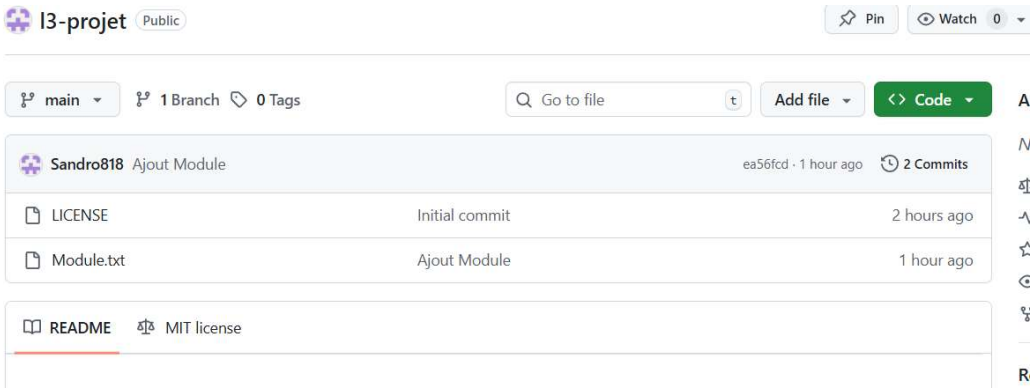

MINGW64:/c/Users/Lens Sandro Petiote/Desktop/l3-projet
Lens Sandro Petiote@Lens_Sandro MINGW64 ~
$ cd Desktop
Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop
$ ls
Canva.lnk*
CodeBlocks.lnk*
'Eclipse IDE for Java Developers - 2025-09.lnk'*
'Microsoft Edge.lnk'*
'Movavi Video Editor 26.lnk'*
'New Microsoft Excel Worksheet.xlsx'
'New Microsoft Publisher Document.pub'
'New Microsoft Word Document.docx'
'New WinRAR ZIP archive.zip'
'Opera Browser.lnk'*
'Visual Studio Code.lnk'*
'WPS Office.lnk'*
cmd.lnk*
desktop.ini
l3-projet/
'les indicateurs du marketing numerique.pdf'
'projet pro.pdf'
projet-git/


MINGW64:/c/Users/Lens Sandro Petiote/Desktop/l3-projet
Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop
$ cd l3-projet
Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)
$ echo "Systeme d'exploitation!" > Module.txt
Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)
$ git add .
warning: in the working copy of 'Module.txt', LF will be replaced by CRLF the ne
xt time Git touches it
Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.
Changes to be committed:
(use "git restore --staged <file>..." to unstage)
new file: Module.txt
Lens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)


MINGW64:/c/Users/Lens Sandro Petiote/Desktop/l3-projet
ens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)
git add .
arning: in the working copy of 'Module.txt', LF will be replaced by CRLF the ne
t time Git touches it
ens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)
git commit -m "Ajout Module"
n branch main
our branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)
othing to commit, working tree clean
ens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)
git branch -M main
ens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)

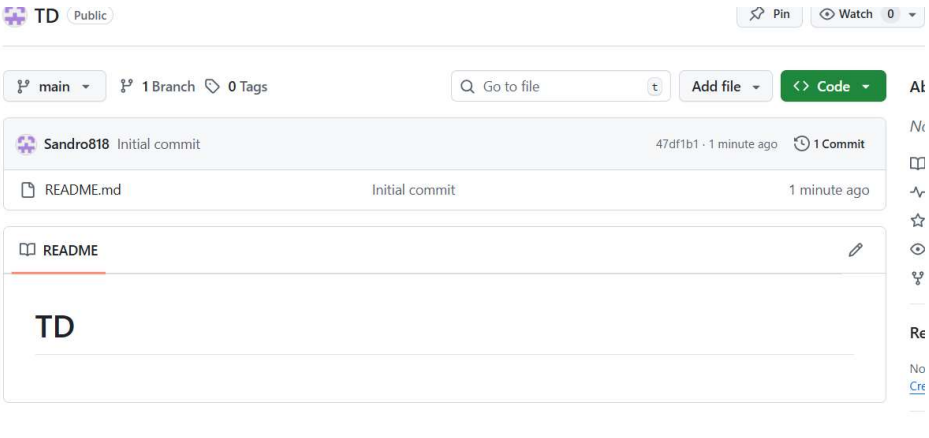

l3-projet
Start backup
l3-projet
New
Sort
View
Home
Gallery
lens - Personal
Apps
Name
Date modified
Type
Size
.git
10/22/2025 1:19 PM
File folder
LICENSE
10/22/2025 11:45 AM
File
2 KB
Module
10/22/2025 1:16 PM
Text Document
1 KB

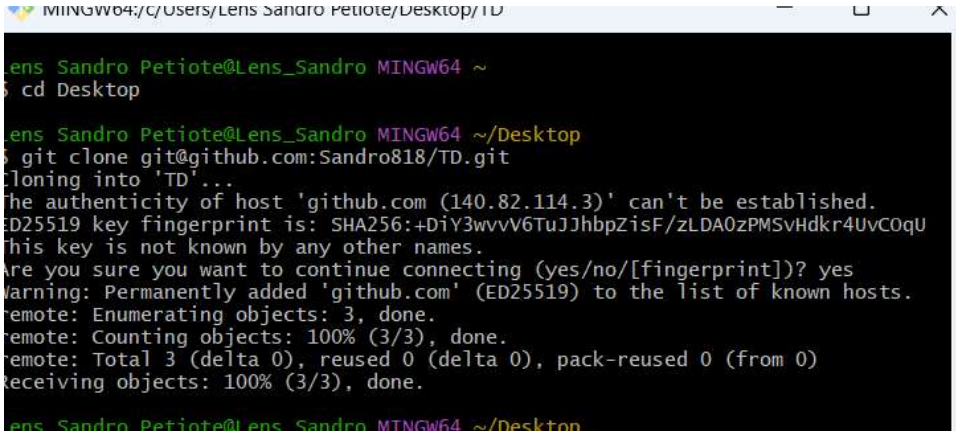

ens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)
git push -u origin main
nfo: please complete authentication in your browser...
numerating objects: 4, done.
ounting objects: 100% (4/4), done.
elta compression using up to 16 threads
ompressing objects: 100% (2/2), done.
riting objects: 100% (3/3), 301 bytes | 301.00 KiB/s, done.
otal 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
o https://github.com/Sandro818/l3-projet.git
2da83a7..ea56fcd main -> main
branch 'main' set up to track 'origin/main'.
ens Sandro Petiote@Lens_Sandro MINGW64 ~/Desktop/l3-projet (main)



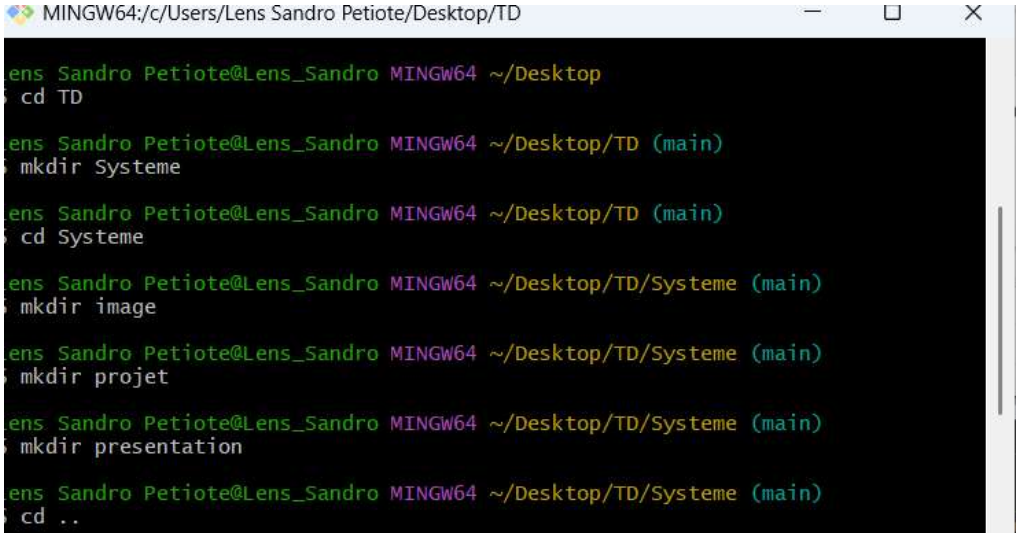
DEUXIÈME PARTIE.

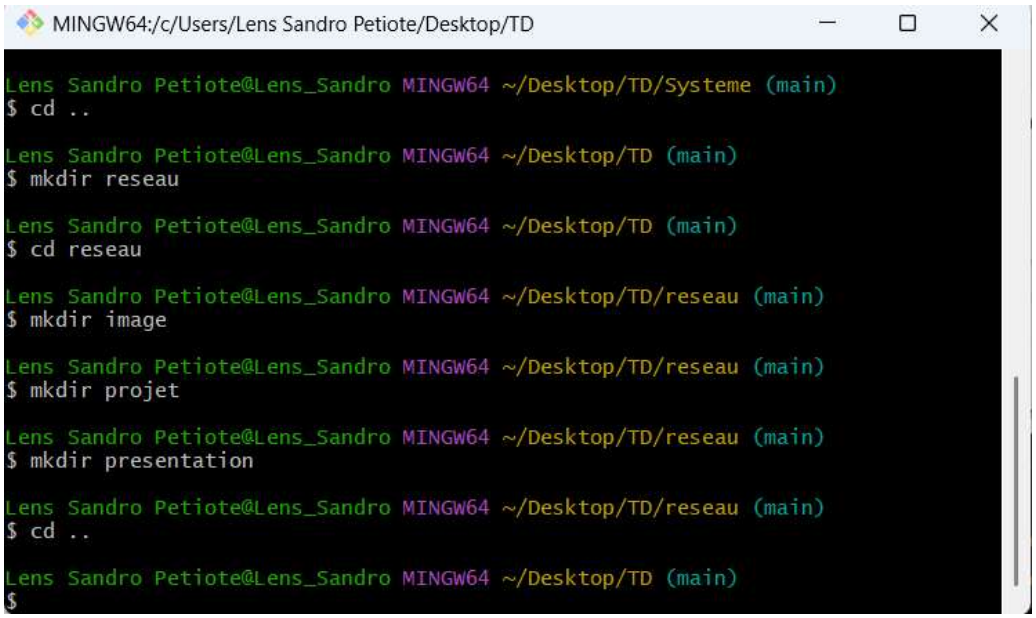
2- Créer le depôt TD sur GitHUB, puis cloner-le sur Desktop.





3- à l'intérieur de TD, creer les dossiers: systeme (image, projet, presentstion) et reseau (image, projet , presentation).





Conclusion.

Grace à ce travail j'ai appris à utilizer le logiciel Git, j'ai pu comprendre les concepts de base de Git et aussi j'ai pu découvrir GitHub. Maintenant je peut créer un depot public ou privé, en gros je peut réaliser des projets en collaboration avec d'autre personnes grâce aux outils Git ou Powershell et GitHub.