



IUS
INSTITUT
UNIVERSITAIRE
DES SCIENCES

Faculté des Sciences et des Technologies

(FST)

Niveau : L3-FST

RAPPORT SUR LE TRAVAIL DE LABORATOIRE N°1

Cours : Système d'Exploitation Linux

Soumis au chargé de cours : Ismaël SAINT AMOUR

Préparé par : Jameson DOMINIQUE

Date : 21 Octobre 2024

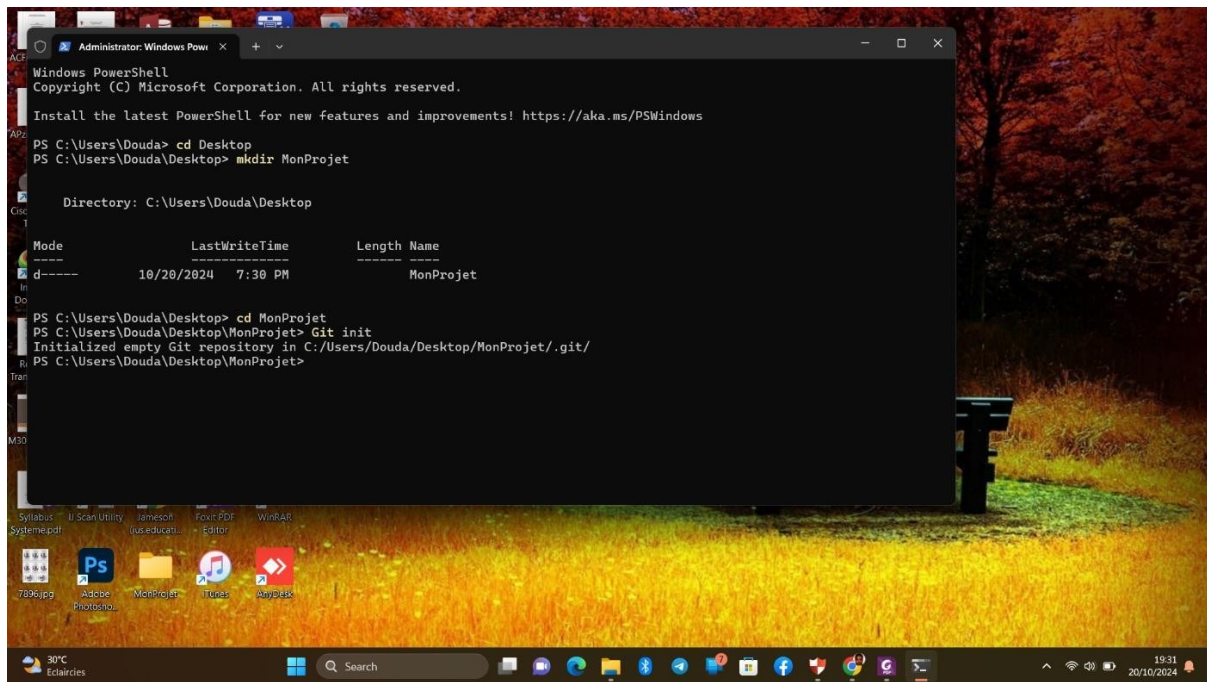
Systemes

1. Exercices Pratiques : Commandes Git de Base

1.1. Créer un Nouveau Projet

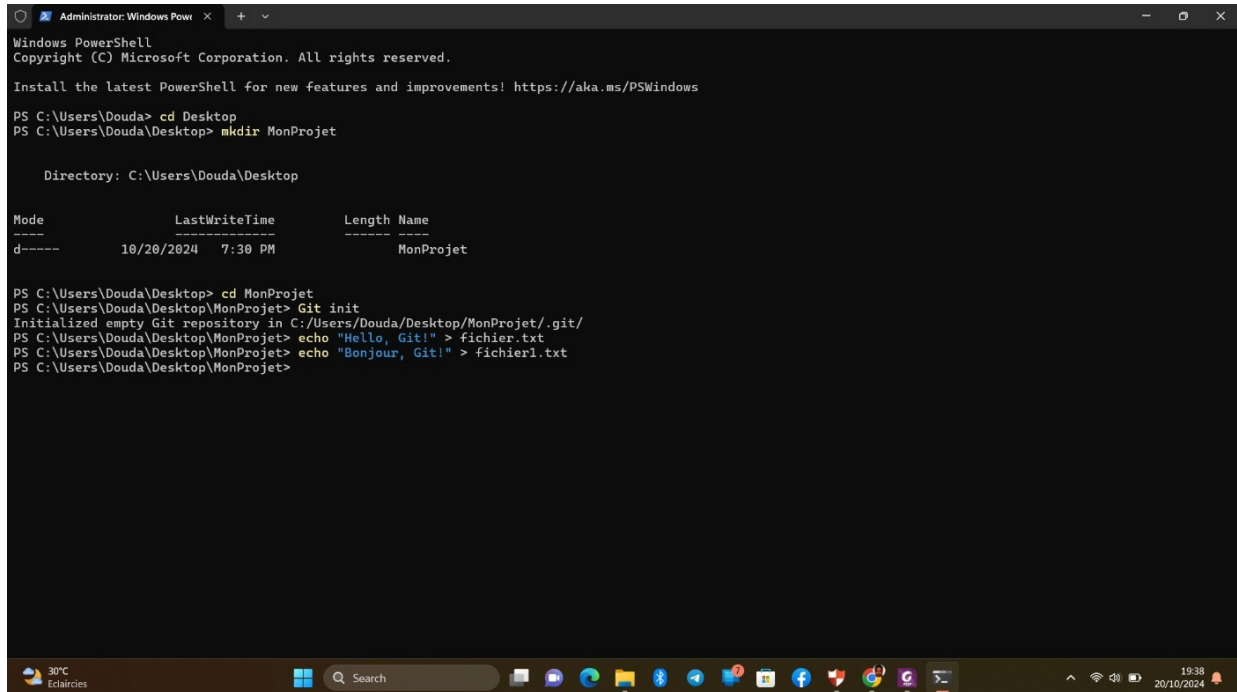
- ◇ Initialiser un nouveau dépôt Git dans un dossier existant :

```
cd Desktop
mkdir MonProjet
cd MonProjet
git init
```



- ◇ Ajouter un fichier au dépôt et le suivre avec Git :

```
echo "Hello, Git!" > fichier.txt  
echo "Bonjour, Git!" > fichier1.txt
```



```
Administrator: Windows PowerShell
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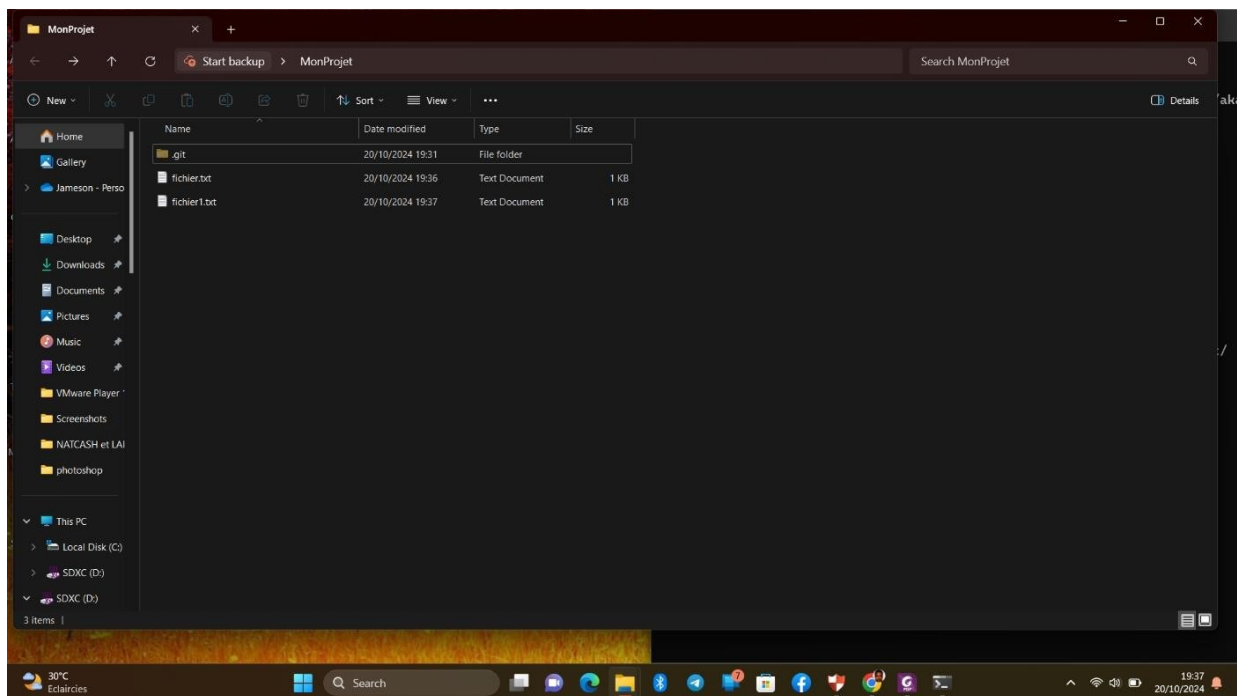
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Douda> cd Desktop
PS C:\Users\Douda\Desktop> mkdir MonProjet

Directory: C:\Users\Douda\Desktop

Mode                LastWriteTime         Length Name
----                -
d-----          10/20/2024  7:30 PM             MonProjet

PS C:\Users\Douda\Desktop> cd MonProjet
PS C:\Users\Douda\Desktop\MonProjet> Git init
Initialized empty Git repository in C:/Users/Douda/Desktop/MonProjet/.git/
PS C:\Users\Douda\Desktop\MonProjet> echo "Hello, Git!" > fichier.txt
PS C:\Users\Douda\Desktop\MonProjet> echo "Bonjour, Git!" > fichier1.txt
PS C:\Users\Douda\Desktop\MonProjet>
```



- ◇ **Afficher l'état du dépôt :

Affichez les modifications non validées et les fichiers non suivis

```
git status
```

```
Administrator: Windows PowerShell
Windows PowerShell
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PS C:\Users\Douda> cd Desktop
PS C:\Users\Douda\Desktop> mkdir MonProjet

Directory: C:\Users\Douda\Desktop

Mode                LastWriteTime         Length Name
----                -
d-----          10/20/2024   7:30 PM             MonProjet

PS C:\Users\Douda\Desktop> cd MonProjet
PS C:\Users\Douda\Desktop\MonProjet> git init
Initialized empty Git repository in C:/Users/Douda/Desktop/MonProjet/.git/
PS C:\Users\Douda\Desktop\MonProjet> echo "Hello, Git!" > fichier.txt
PS C:\Users\Douda\Desktop\MonProjet> echo "Bonjour, Git!" > fichier1.txt
PS C:\Users\Douda\Desktop\MonProjet> git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        fichier.txt
        fichier1.txt

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\Douda\Desktop\MonProjet> |
```

Pour ajouter tous les fichiers modifiés :

```
git add .
```

```
Administrator: Windows PowerShell
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Douda> cd Desktop
PS C:\Users\Douda\Desktop> mkdir MonProjet

Directory: C:\Users\Douda\Desktop

Mode                LastWriteTime         Length Name
----                -
d-----          10/20/2024   8:04 PM             MonProjet

PS C:\Users\Douda\Desktop> cd MonProjet
PS C:\Users\Douda\Desktop\MonProjet> git init
Initialized empty Git repository in C:/Users/Douda/Desktop/MonProjet/.git/
PS C:\Users\Douda\Desktop\MonProjet> echo "Hello, Git!" > fichier.txt
PS C:\Users\Douda\Desktop\MonProjet> echo "Bonjour, Git!" > fichier1.txt
PS C:\Users\Douda\Desktop\MonProjet> git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        fichier.txt
        fichier1.txt

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\Douda\Desktop\MonProjet> git add .
PS C:\Users\Douda\Desktop\MonProjet> git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        fichier.txt
        fichier1.txt
```

Faire un commit :

◊

```
git commit -m "Message décrivant les modifications"
```

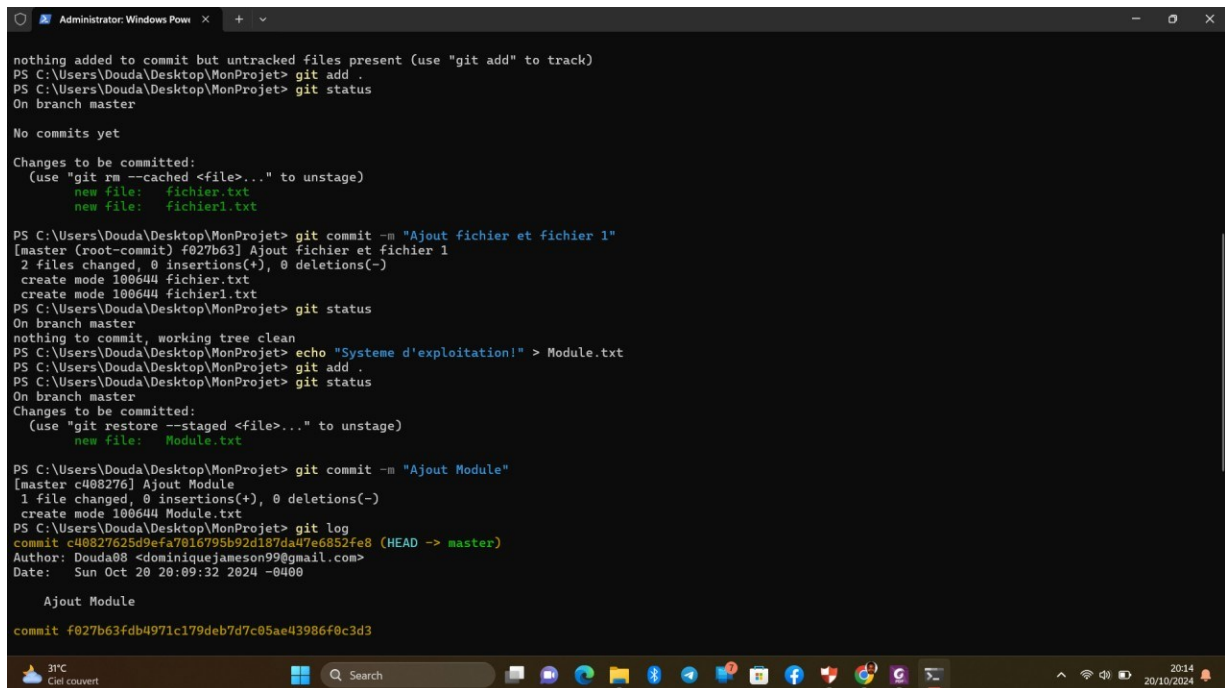
Enregistrez les modifications ajoutées dans l'historique du projet :

```
echo "Systeme d'exploitation!" > Module.txt
git add .
git status
git commit -m "Ajout Module"
```

Historique des Commits

◊ Voir l'historique des commits :

```
git log
```



```
Administrator: Windows PowerShell
nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\Douda\Desktop\MonProjet> git add .
PS C:\Users\Douda\Desktop\MonProjet> git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   fichier.txt
        new file:   fichier1.txt

PS C:\Users\Douda\Desktop\MonProjet> git commit -m "Ajout fichier et fichier 1"
[master (root-commit) f027b63] Ajout fichier et fichier 1
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fichier.txt
 create mode 100644 fichier1.txt
PS C:\Users\Douda\Desktop\MonProjet> git status
On branch master
nothing to commit, working tree clean
PS C:\Users\Douda\Desktop\MonProjet> echo "Systeme d'exploitation!" > Module.txt
PS C:\Users\Douda\Desktop\MonProjet> git add .
PS C:\Users\Douda\Desktop\MonProjet> git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   Module.txt

PS C:\Users\Douda\Desktop\MonProjet> git commit -m "Ajout Module"
[master c408276] Ajout Module
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Module.txt
PS C:\Users\Douda\Desktop\MonProjet> git log
commit c40827625d9efa7016795b92d187da47e6852fe8 (HEAD -> master)
Author: Douda08 <dominiquejameson99@gmail.com>
Date:   Sun Oct 20 20:09:32 2024 -0400

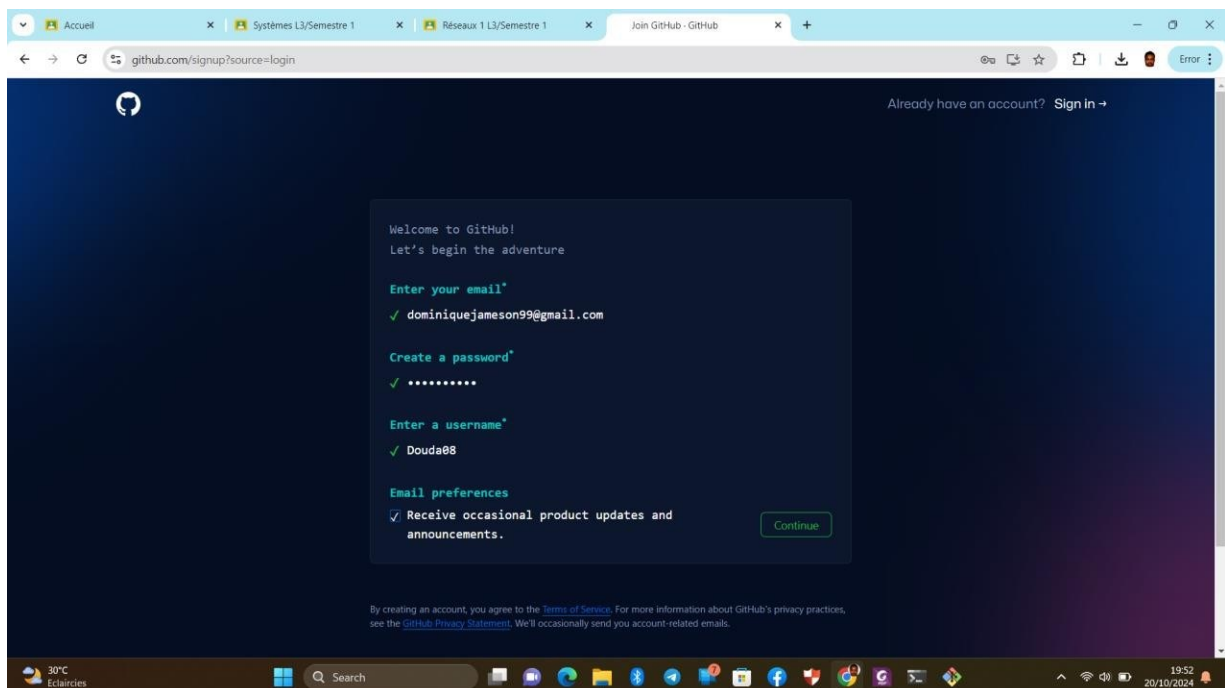
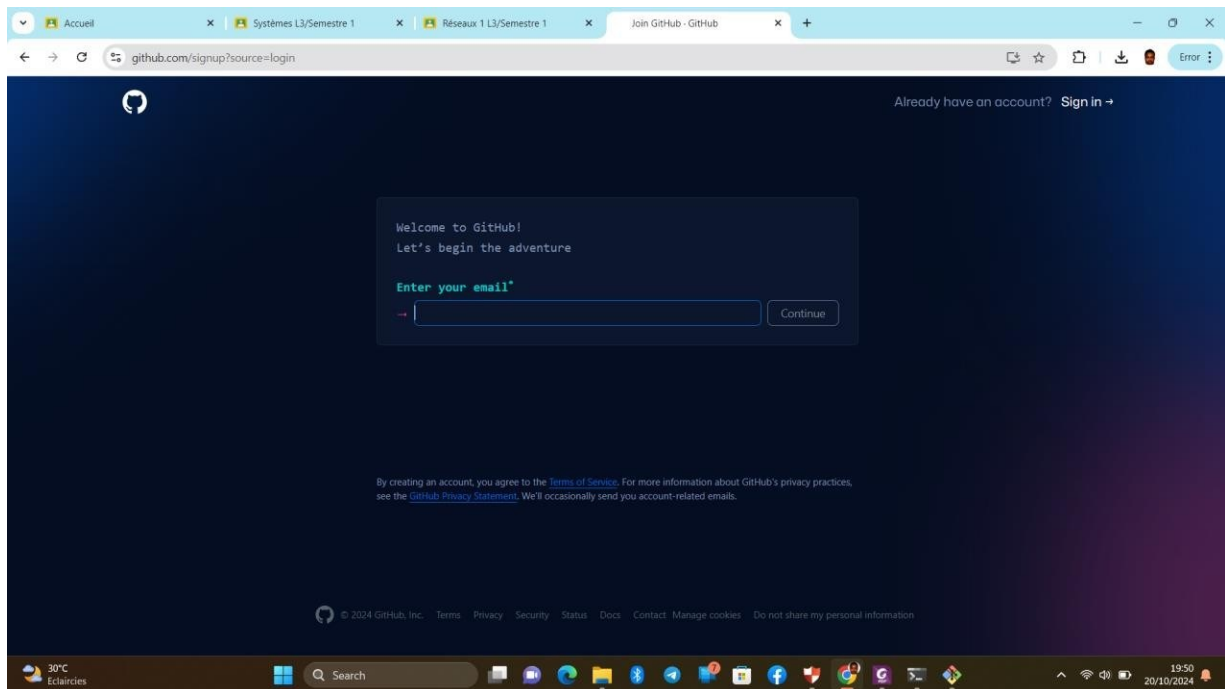
    Ajout Module

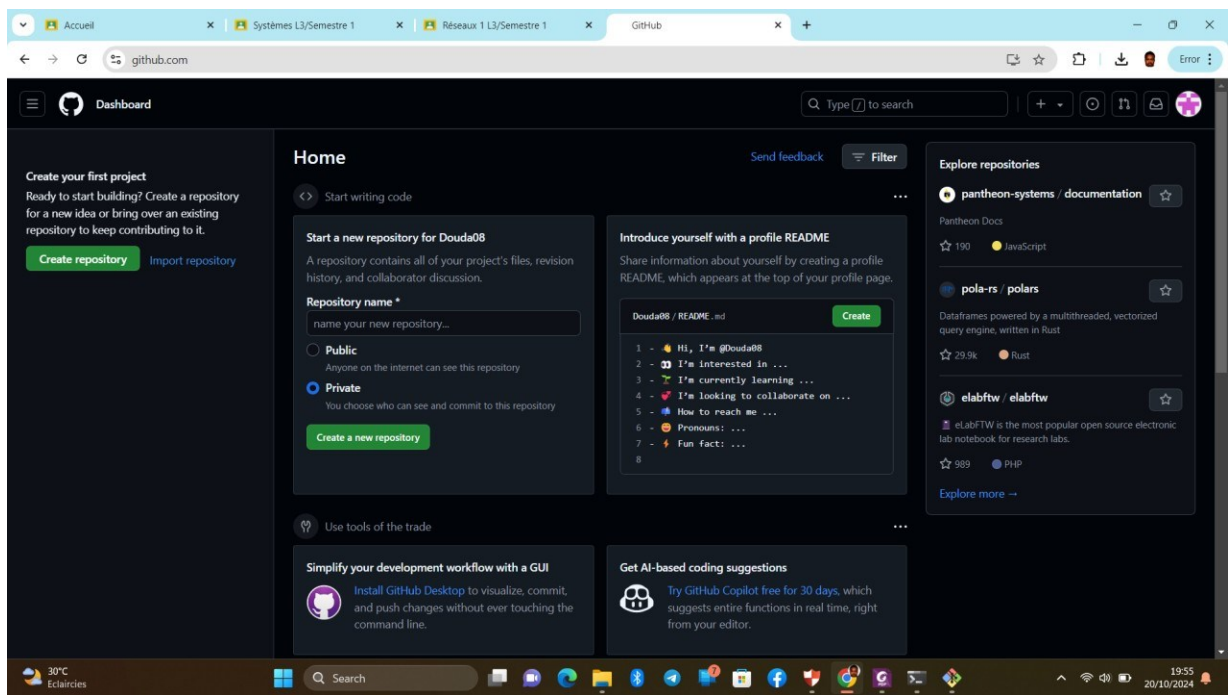
commit f027b63fdb4971c179deb7d7c05ae43986f0c3d3
```

Revenir à un commit spécifique

```
git checkout <commit-hash>
```

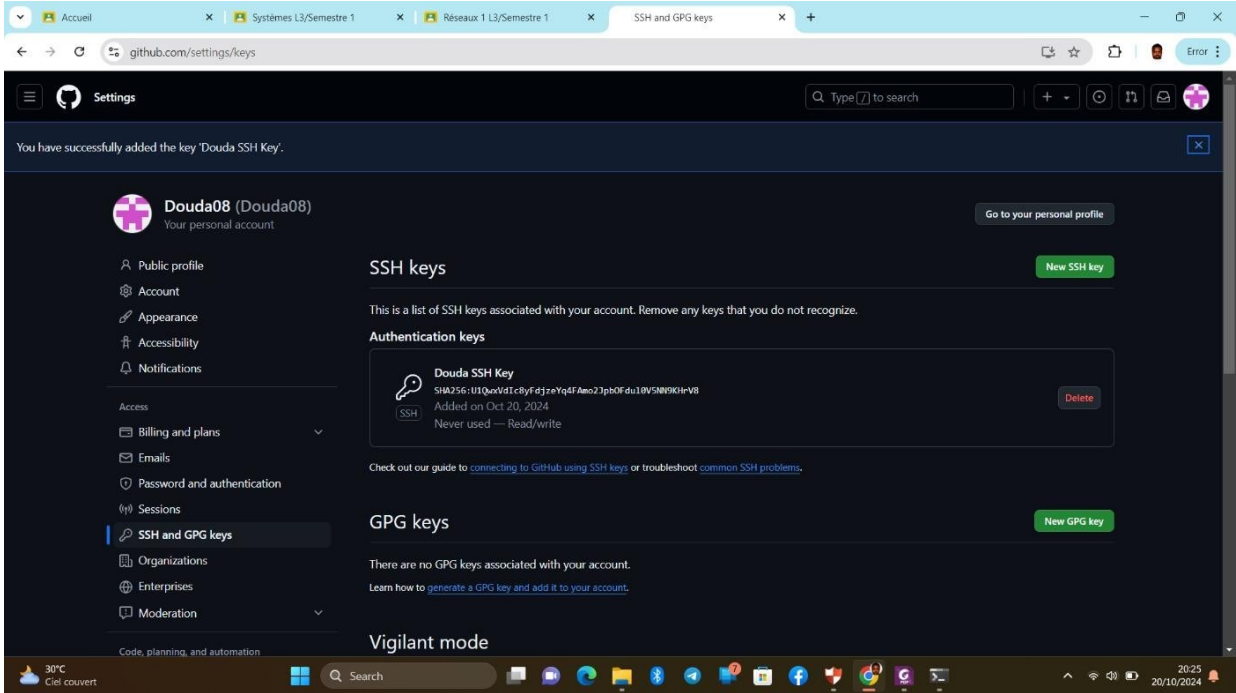
2. Installation Git





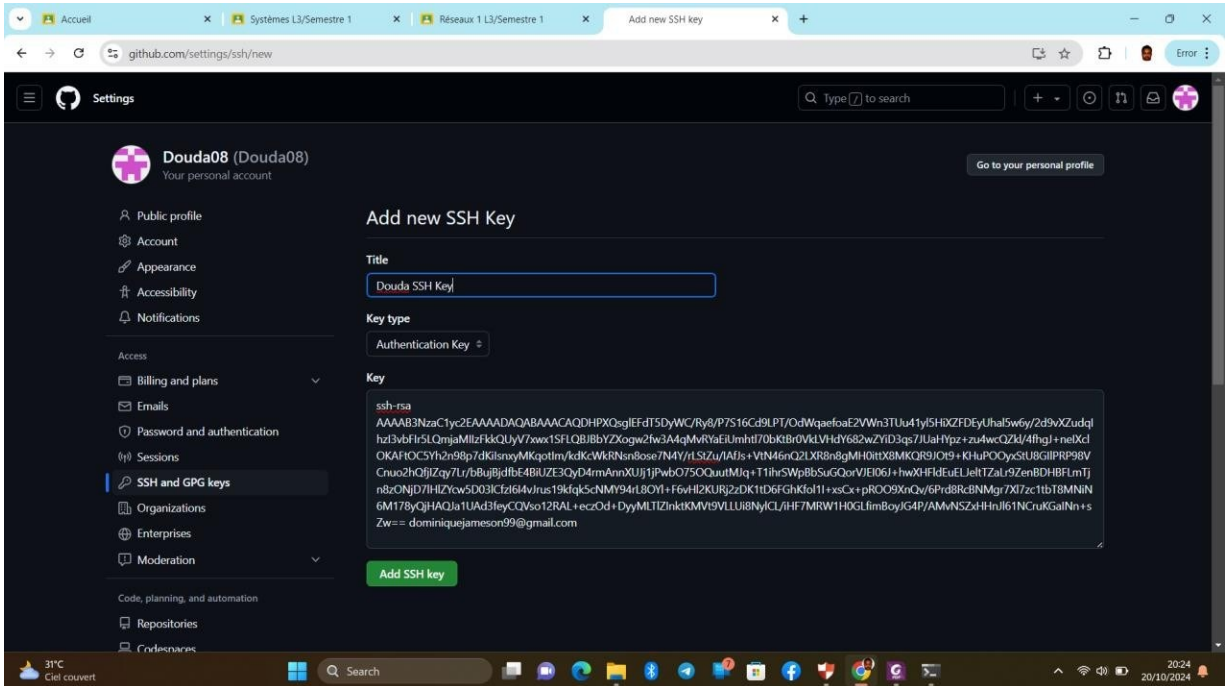
Générer une nouvelle clé SSH

```
cd ..  
cd ..  
ssh-keygen -t rsa -b 4096 -C "votre.email@example.com"
```



Ajouter la clé SSH à votre compte GitHub

```
cat ~/.ssh/id_rsa.pub
```




```

Administrator: Windows PowerShell
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PS C:\Users\Douda> ssh-keygen -t rsa -b 4096 -C "dominiquejameson99@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\Douda/.ssh/id_rsa):
Created directory 'C:\Users\Douda/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\Douda/.ssh/id_rsa
Your public key has been saved in C:\Users\Douda/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:U1QwXtR8YFdzVqHFAmo2Jpb0FDul0V5NN9KHrV8 dominiquejameson99@gmail.com
The key's randomart image is:
+--[RSA 4096]--+
|.+.o==@*|
|.o.o.o.O+O|
|. = *. .o.o+|
|+O.o.o.+.E|
|+*.S.+.o.|
|o. .o.|
|o.
|+-----[SHA256]-----+
PS C:\Users\Douda> cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCAQHPYQsg1eFdt5DYw/Ry8/P7516cd9LPT/OdWgaefoxE2Vmn3TUu4ly15h:XFDEyUha15w6y/2d9vXZudaIhzI3ybFIn5LQmjaMIIEFhK0uYv7xwx15FL
QB3BvYZXqwg2fe34uW/RV6EiUmht178bKtB8e9WLVndV682zYID3qs7JUaHfyz+zuUwCQZLk/f4hpg3nneIXclOKAF+KCSYh2n98b7dW4IsnxyMkqotIm/kdKwKwRnNen8oe7NNvY/rL5kZu/IAFJs+VtWu6
nQ2LVR8n8fMH8iitX8M/R8930t9+KhuPOdyxStU8G1LPRP98Vcnuo2HqfIIZqy7Lr/bBu3jd4fBE4B:UZE30yD4w=AnnXU3j1Pwb0750QuuqtNqj+T1ihr5WpBbSugC0orV3JE1863+hmXfLEdELJeltZAL
+92nBDH8FLmtJn8eONjD71hL2Ycw5D831CfzI6IdvJrus19kfqnK5cNM9Y94L80V1+f6vH:L2KURj2zDW12d6GhKfoll1+xsC+pr009XnQv/6Prd8RcBNMqr7Xl7zc1tbT8MNI6H8178yQJHAQJa1UAD3fe
yCQVso12RAL+ezcd+DyyMLTLTInktKMVt9VLLI8NyLCl/iHF7MRr1H8GLfImBoyJG4P/AMvW5cXHNj3L61NCruKGaInn+szZw= dominiquejameson99@gmail.com
PS C:\Users\Douda>

```

```
Administrator: Windows Powe x + v
Directory: C:\Users\Douda\Desktop\TD\reseau

Mode                LastWriteTime         Length Name
----                -
d-----          10/20/2024   8:51 PM             image

PS C:\Users\Douda\Desktop\TD\reseau> cd ..
PS C:\Users\Douda\Desktop\TD> cd systeme
PS C:\Users\Douda\Desktop\TD\systeme> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\Douda\Desktop\TD\systeme> git add .
PS C:\Users\Douda\Desktop\TD\systeme> git commit -m "Ajout rapport1 "
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\Douda\Desktop\TD\systeme> git push
Everything up-to-date
PS C:\Users\Douda\Desktop\TD\systeme> cd image
PS C:\Users\Douda\Desktop\TD\systeme\image> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\Douda\Desktop\TD\systeme\image> git add .
PS C:\Users\Douda\Desktop\TD\systeme\image> git commit -m "Ajout les images TD1 "
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
PS C:\Users\Douda\Desktop\TD\systeme\image> git push
Everything up-to-date
PS C:\Users\Douda\Desktop\TD\systeme\image>
```

Contenu du rapport Le rapport doit inclure :

1. Une page de couverture.
2. Une description des résultats de la tâche.
3. Les résultats de l'exécution des commandes (captures d'écran).
4. Les conclusions sur la tâche accomplie.