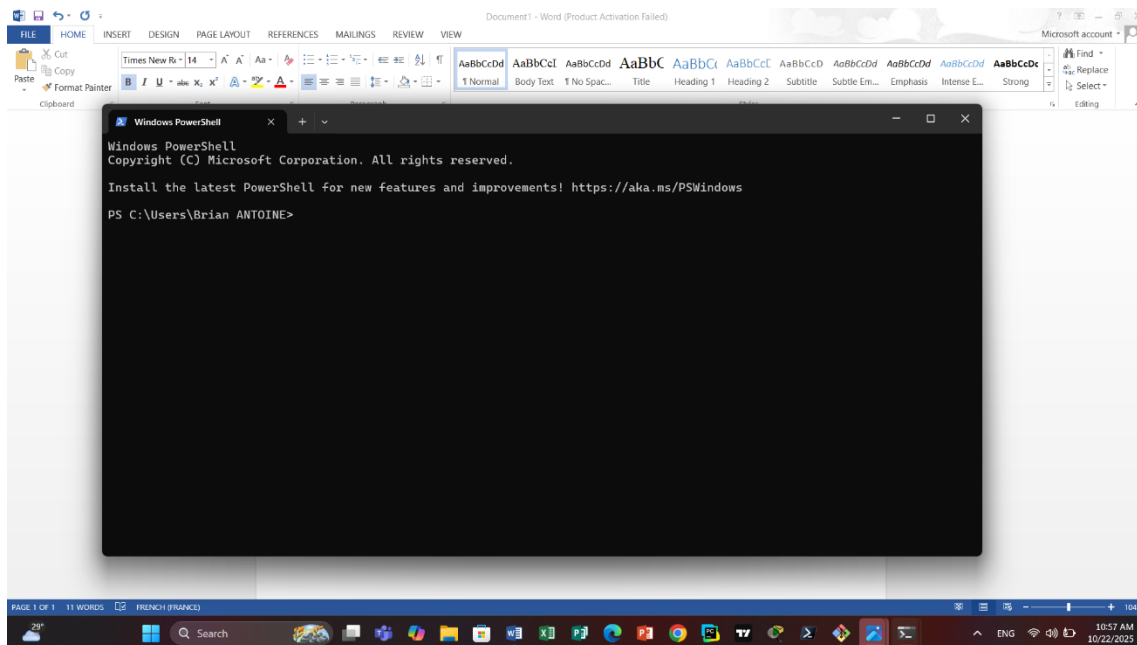
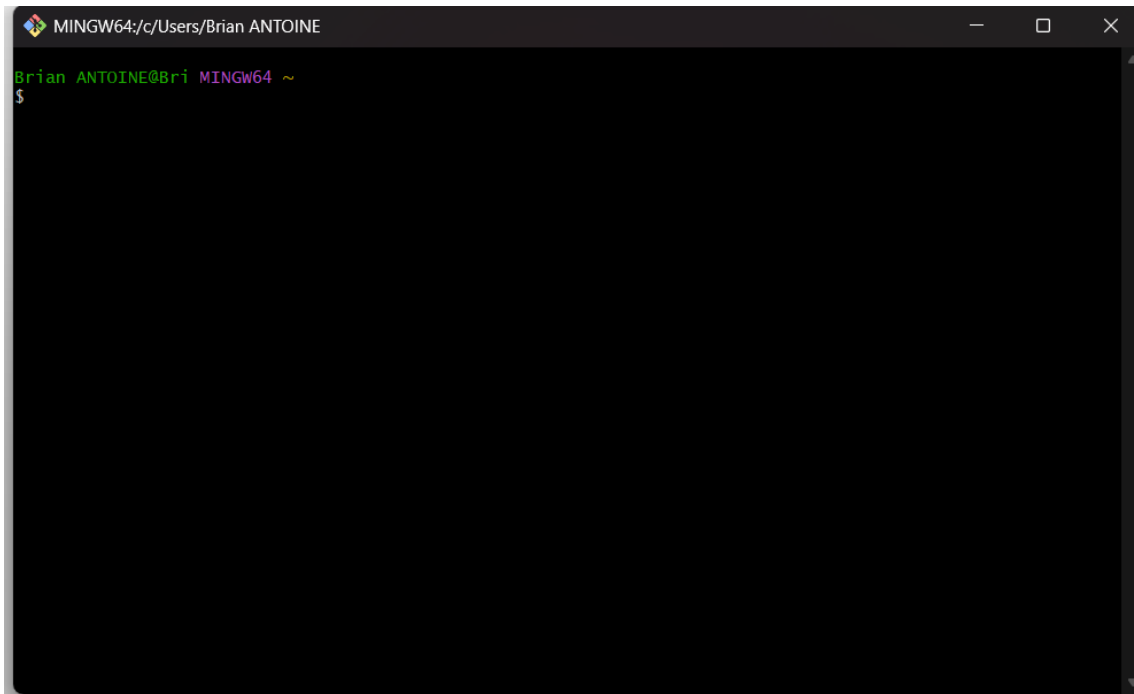
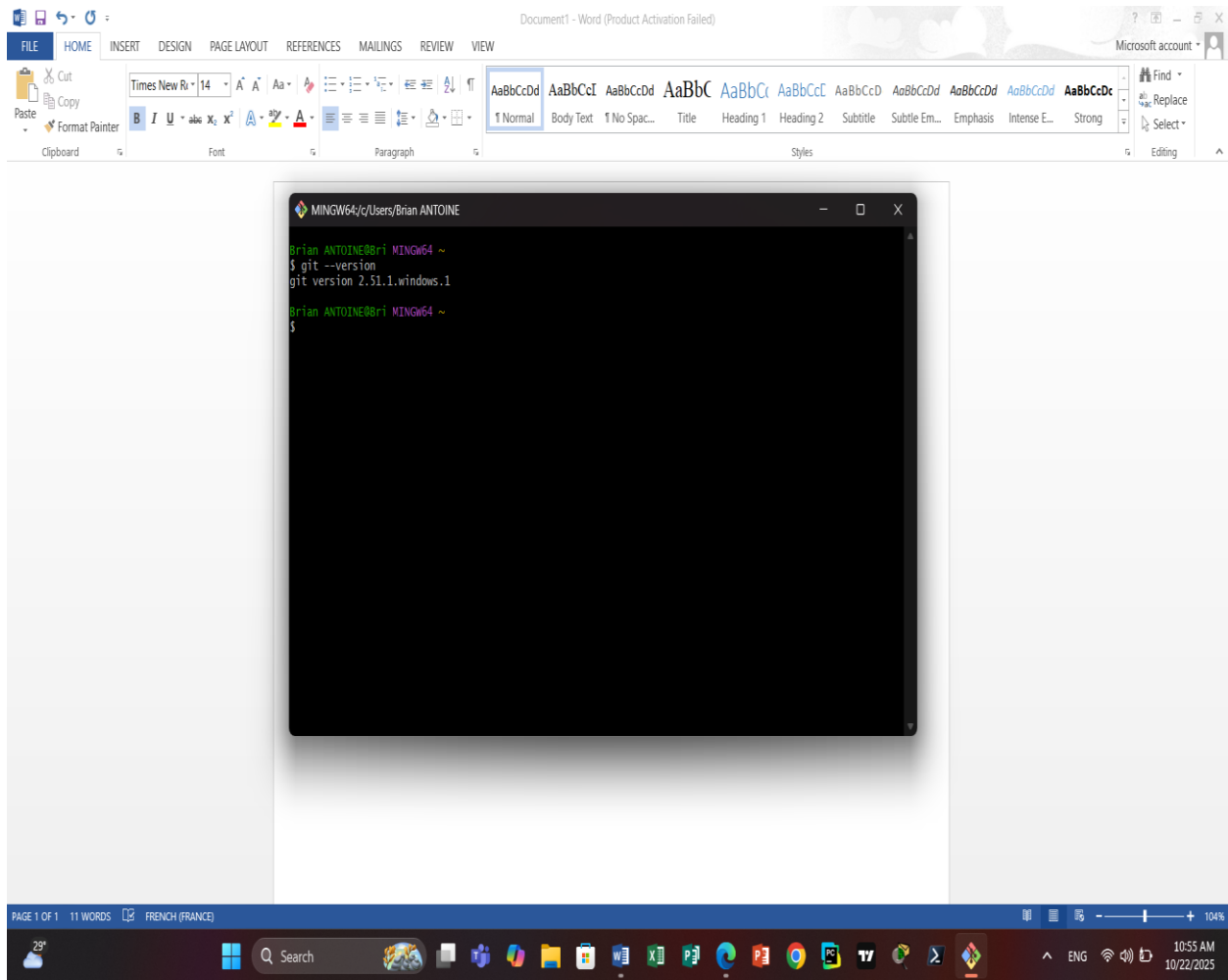
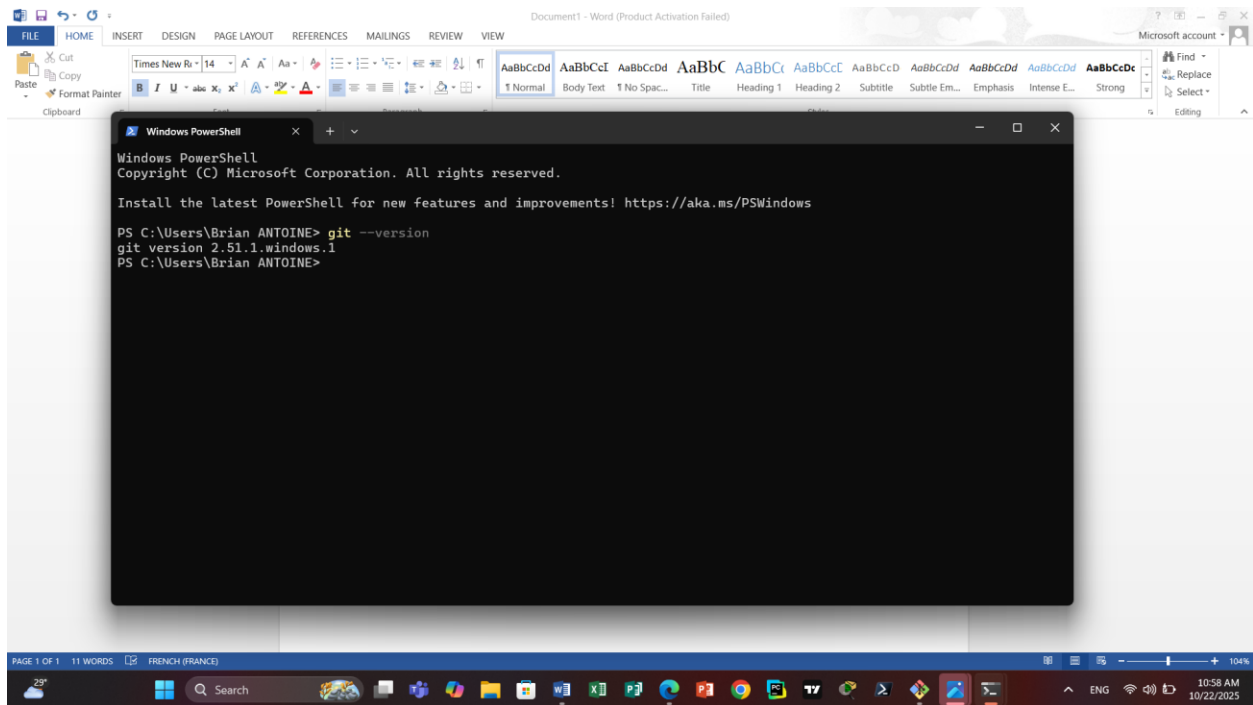


# I. Installation de Git sur Windows et utilisation avec PowerShell

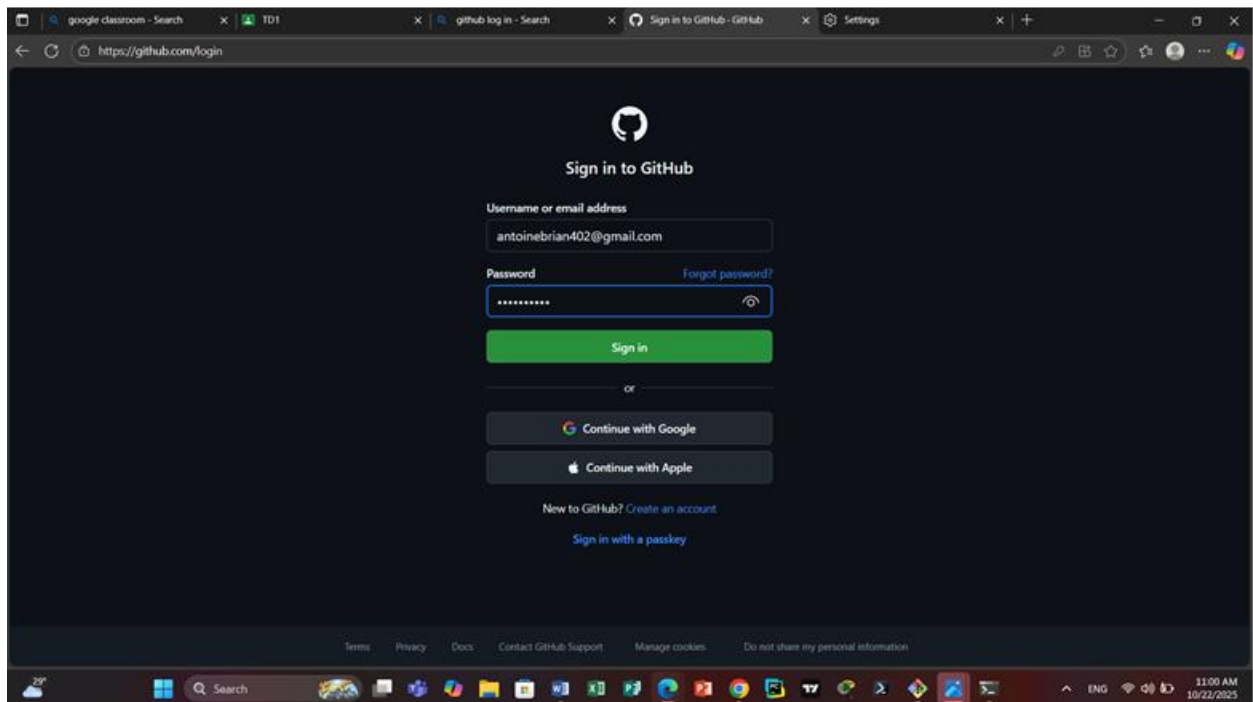


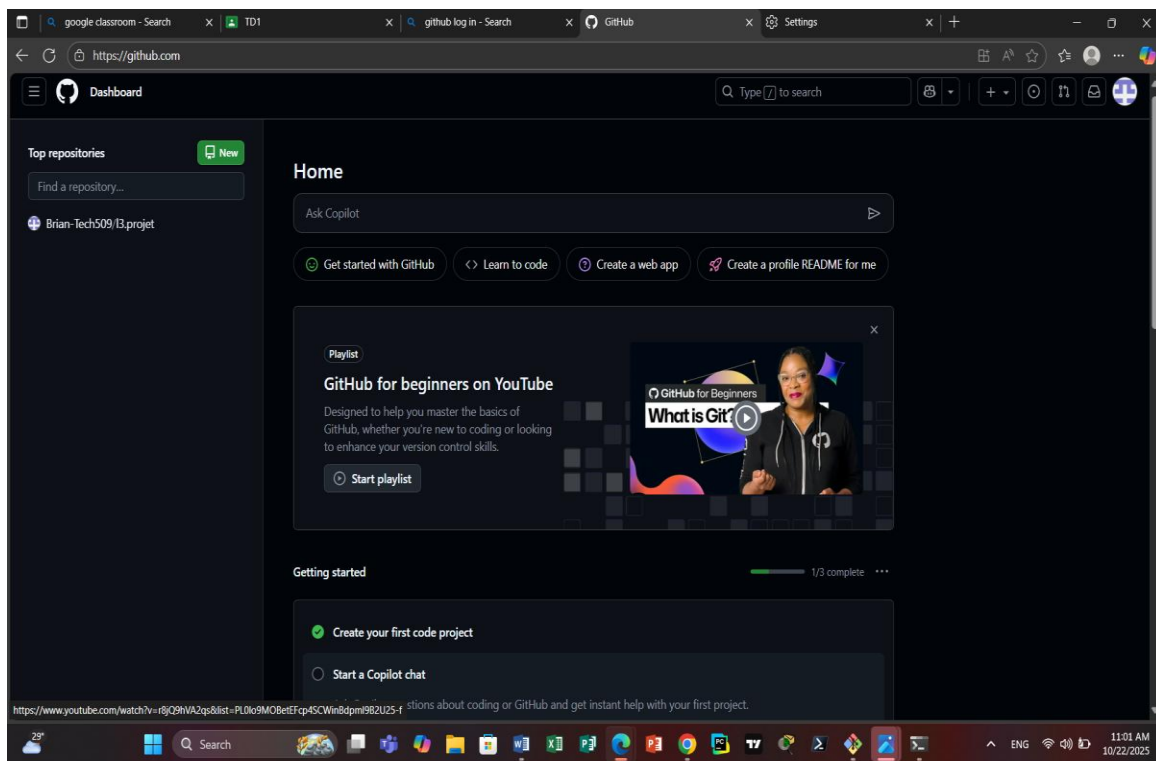
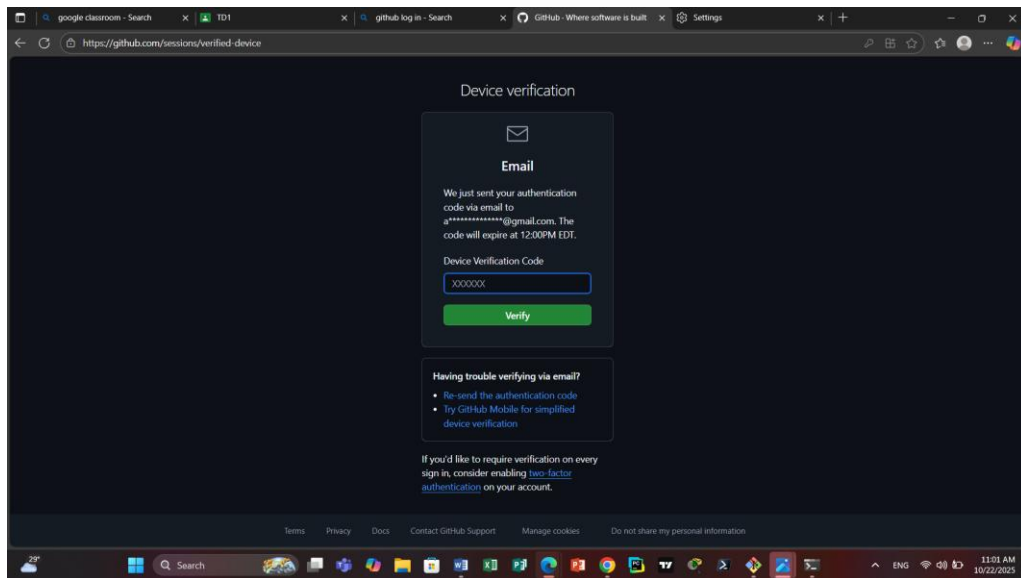
# Vérification de l'installation



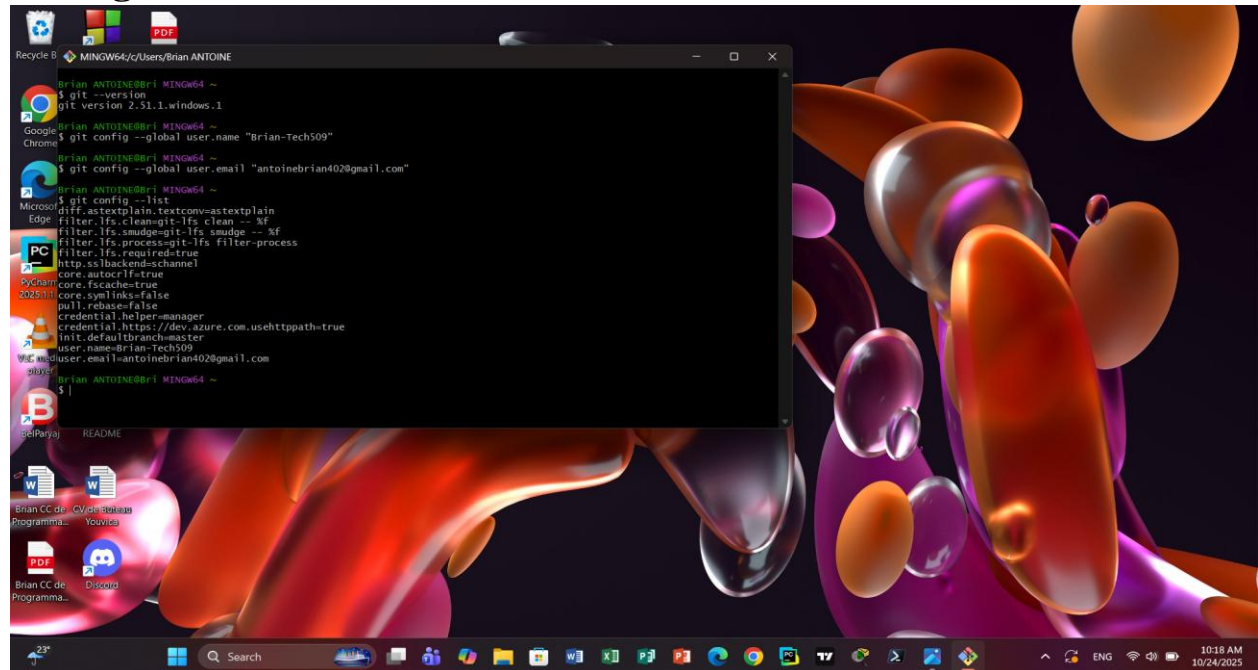


## Création d'un compte Git Hub

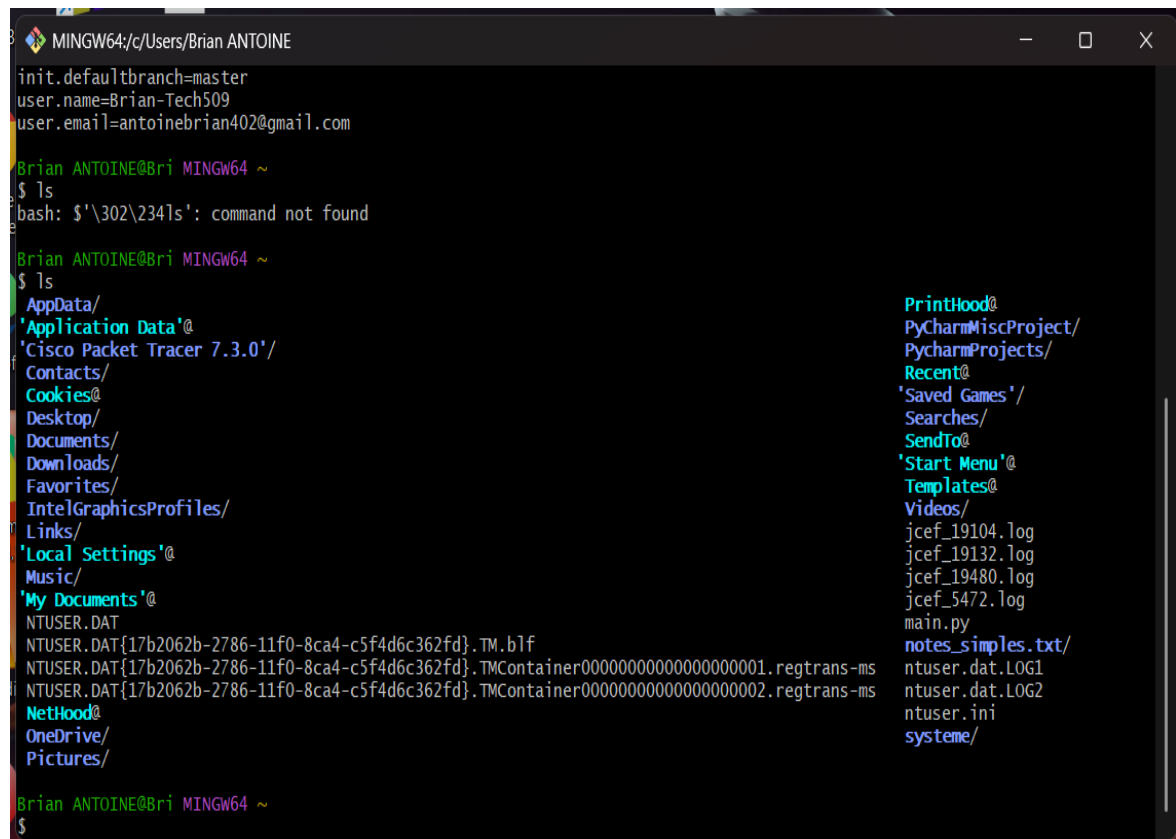




## Configuration et vérification de Git



## Testons Git avec PowerShell



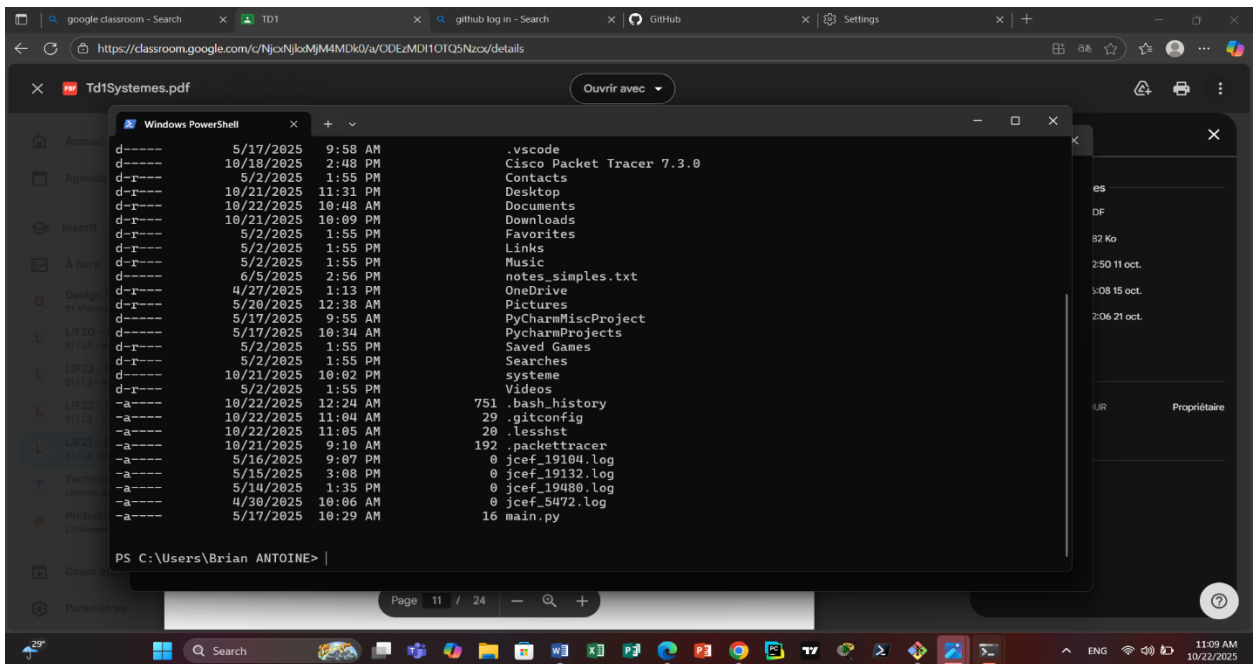
```

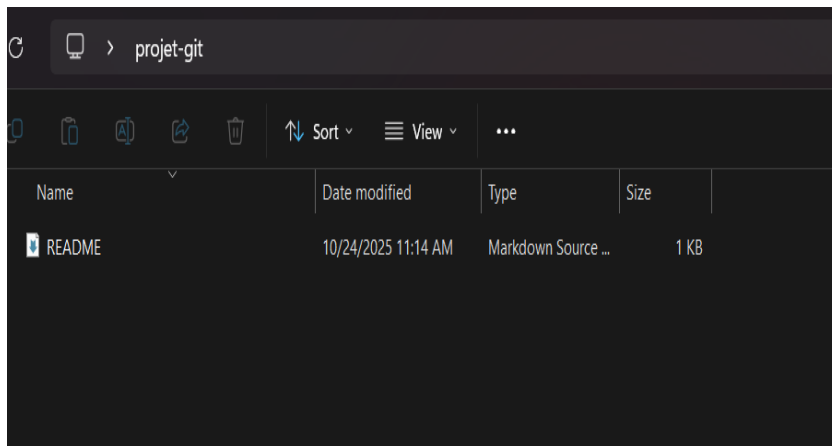
Brian ANTOINE@Bri MINGW64 ~
$ cd Desktop

Brian ANTOINE@Bri MINGW64 ~/Desktop (master)
$ mkdir projet-git

Brian ANTOINE@Bri MINGW64 ~/Desktop (master)
$ cd projet-git

```





```
MINGW64:/c/Users/Brian ANTOINE/Desktop/projet-git
$ cd Desktop
Brian ANTOINE@Bri MINGW64 ~/Desktop (master)
$ mkdir projet-git
Brian ANTOINE@Bri MINGW64 ~/Desktop (master)
$ cd projet-git
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ git init
Initialized empty Git repository in C:/Users/Brian ANTOINE/Desktop/projet-git/.git/
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ echo "Hello Git!" > README.md
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ git commit -m "Premier commit avec Powershell"
[master (root-commit) d54d712] Premier commit avec Powershell
1 file changed, 1 insertion(+)
 create mode 100644 README.md
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ git status
On branch master
nothing to commit, working tree clean
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ git log
commit d54d712f687b620806f10726e0b2aa123dc3327f (HEAD -> master)
Author: Brian-Tech509 <antoinebrian402@gmail.com>
Date:   Fri Oct 24 11:16:21 2025 -0400

    Premier commit avec Powershell
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$
```

## Historique des Commits

```
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ git log
commit d54d712f687b620806f10726e0b2aa123dc3327f (HEAD -> master)
Author: Brian-Tech509 <antoinebrian402@gmail.com>
Date:   Fri Oct 24 11:16:21 2025 -0400

    Premier commit avec Powershell
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$
```

# Génération d'une nouvelle clé SSH

```
MINGW64:/c/Users/Brian ANTOINE/Desktop/projet-git
create mode 100644 README.md

Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ git status
On branch master
nothing to commit, working tree clean

Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ git log
commit d54d712f687b620806f10726e0b2aa123dc3327f (HEAD -> master)
Author: Brian-Tech509 <antoinebrian402@gmail.com>
Date: Fri Oct 24 11:16:21 2025 -0400

Premier commit avec Powershell

Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ ssh-keygen -t rsa -b 4096 -C "antoinebrian402@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/Brian ANTOINE/.ssh/id_rsa):
/c/Users/Brian ANTOINE/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase for "/c/Users/Brian ANTOINE/.ssh/id_rsa" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/Brian ANTOINE/.ssh/id_rsa
Your public key has been saved in /c/Users/Brian ANTOINE/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:FC13g0l/SBPweyd4wKbCy/wVTq21ae8B3JW6a4UbAX4 antoinebrian402@gmail.com
The key's randomart image is:
+----[RSA 4096]-----+
|      . = o . +      |
|      . + . * o .    |
|      o . . . . o . . |
|      o   + . E o .   |
|      S   . * + o . . |
|      o o o O o *     |
|      +   + . B .     |
|      .   . + . . .   |
|      .   . . . o     |
+----[SHA256]-----+

Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ |
```

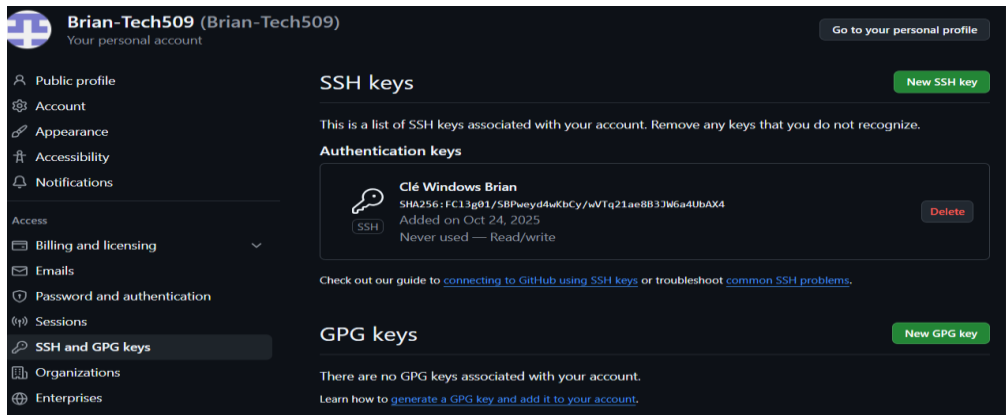
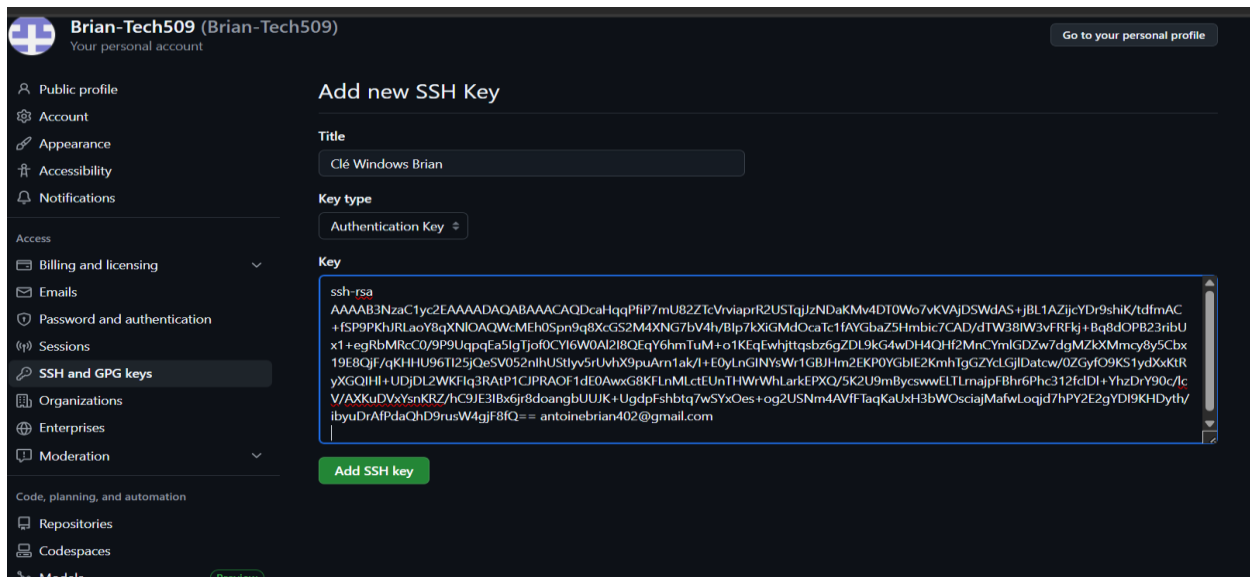
## Affichage de la clé publique

```
6p5/K6+AbL8TJas3LvM0zZ5iSEA6Kcow8TGNXcaaW3RxD0gSjtzuvTXq/7T1dBQkve2sAS
RMCj5csOK2v4ZX+z+lw73SSap6zspIITY9HsVpQF04kstusEIZALE1kStrpCgDobYH+Tm3
9wjWDX8g/7cAAAZyW50b2luZWJyaWFnNDAYQgdtYWlsLmNvbQEC
-----END OPENSSH PRIVATE KEY-----

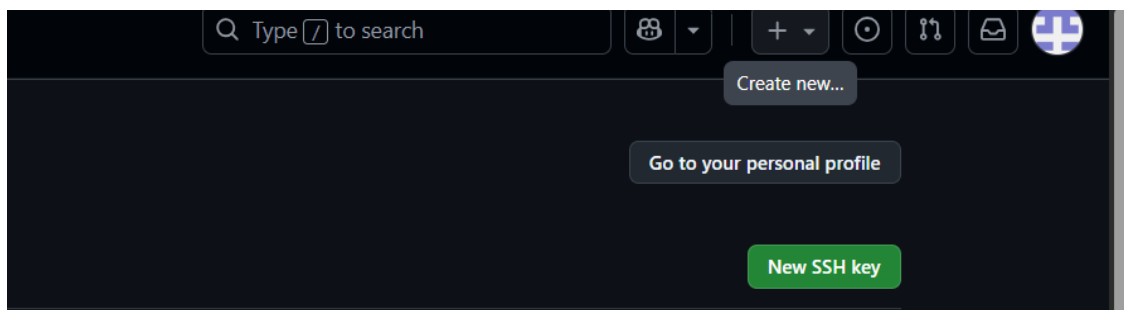
Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDcaHqPfip7mU82ZTcVrviaprR2USTqjJzNDaKmv4DT0wo7vKVAjDSwdAS+jBL
1AZijcYDr9shik/tdfmAC+fSP9PKhJRLaoY8qXNlOAQwcMEh0Spn9q8xcGS2M4XNG7bv4h/Bip7kxiGmd0caTc1fAYGbaZ5Hmbic
7CAD/dTW38IW3vFRFkj+Bg8d0PB23ribUx1+egRbMRcC0/9P9UqpqEa5IgTjof0CYI6W0A12I8QEqY6hmTuM+o1KEqEwhjttgsbz
6gZDL9kG4wDH4QHf2MnCYm1GDZw7dgmZkXmncy8y5CbX19E8QjF/qKHHU96TI25jQeSV052niHUSTIyv5rUvhX9puArn1ak/I+E0
yLnGINysWr1GBJHm2EKPOYGbIE2KmhTgGZyCgJlDatcw/OZGyfo9KS1ydXxKtRyXGQIH1+UDjDL2WKFIq3RatP1CJPROAF1dEOA
wxG8KFLnMlctEUnTHwrWhLarkEPXQ/5K2U9mBycswwELTLrnaJpFBhr6Phc312fc1d1+YhzDrY90c/lcV/AXKuDVxYsnKRZ/hc9J
E3IBX6jrr8doangBUUJK+UgdpFshbtq7wSYx0es+og2USNm4AVFFTaQKaUxH3bW0sciajMafwLoqjd7hPY2E2gYDI9KHdyth/ibyu
DrAfPdaQhD9rusW4gjF8fQ== antoinebrian402@gmail.com

Brian ANTOINE@Bri MINGW64 ~/Desktop/projet-git (master)
$ |
```





## Création d'un depot GitHub



**General**

**Owner \*** Brian-Tech509 / **Repository name \***

✔ Your new repository will be created as mon-projet-  
The repository name can only contain ASCII letters, digits, and the characters -, ., and \_.

Great repository names are short and memorable. How about **fuzzy-octo-bassoon**?

**Description**

0 / 350 characters

**Configuration**

**Choose visibility \***  
Choose who can see and commit to this repository Public

**Add README**  
READMEs can be used as longer descriptions. [About READMEs](#) Off

**Add .gitignore**  
.gitignore tells git which files not to track. [About ignoring files](#) No .gitignore

**Add license**  
Licenses explain how others can use your code. [About licenses](#) MIT License

[Create repository](#)

**mon-projet-** Public Pin Watch 0 Fork 0 Star

main Go to file + Code

**Brian-Tech509** Initial commit

LICENSE

README MIT license

[Add a README](#)

Help people interested in this repository understand your project by adding a README.

**Local** **Codespaces**

**Clone** ?

**HTTPS** **SSH** **GitHub CLI**

Use a password-protected SSH key.

Open with GitHub Desktop

Download ZIP

**About**

**Laboratoire**

Activity

0 stars

0 watching

0 forks

**Releases**

No releases published

[Create a new release](#)

**Packages**

No packages published

[Publish your first package](#)

## Clonons un depot GitHub via SSH

```

MINGW64/c/Users/Brian ANTOINE/Desktop
Brian ANTOINE@Bri MINGW64 ~
$ cd Desktop

Brian ANTOINE@Bri MINGW64 ~/Desktop (master)
$ git clone git@github.com:Brian-Tech509/mon-projet-.git
Cloning into 'mon-projet-'...
The authenticity of host 'github.com (140.82.112.4)' can't be established.
ED25519 key fingerprint is: SHA256:+DiY3wvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvC0qu
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
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.

Brian ANTOINE@Bri MINGW64 ~/Desktop (master)
$ |

```

```

MINGW64/c/Users/Brian ANTOINE/Desktop/mon-projet-
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.

Brian ANTOINE@Bri MINGW64 ~/Desktop (master)
$ ls
'BelParyaj.lnk*'      'CV de Buteau Youvica XP.docx'  'Discord.lnk*'      ii/
'Brian CC de Programmation.docx' 'CV de Buteau Youvica.docx'    'Visual Studio Code.lnk*'  mon-projet-/
'Brian CC de Programmation.pdf'  'Cisco Packet Tracer.lnk*'     desktop.ini          projet-git-/
'CV Buteau Youvica.docx'         CodeBlocks.lnk*                ebook.pdf

Brian ANTOINE@Bri MINGW64 ~/Desktop (master)
$ cd mon-projet-

Brian ANTOINE@Bri MINGW64 ~/Desktop/mon-projet- (main)
$ echo "systeme d'exploitation!" > Module.txt

Brian ANTOINE@Bri MINGW64 ~/Desktop/mon-projet- (main)
$ git add .
warning: in the working copy of 'Module.txt', LF will be replaced by CRLF the next time Git touches it

Brian ANTOINE@Bri MINGW64 ~/Desktop/mon-projet- (main)
$ git commit -m "Ajout Module"
[main 1892a18] Ajout Module
1 file changed, 1 insertion(+)
create mode 100644 Module.txt

Brian ANTOINE@Bri MINGW64 ~/Desktop/mon-projet- (main)
$ git branch -M main

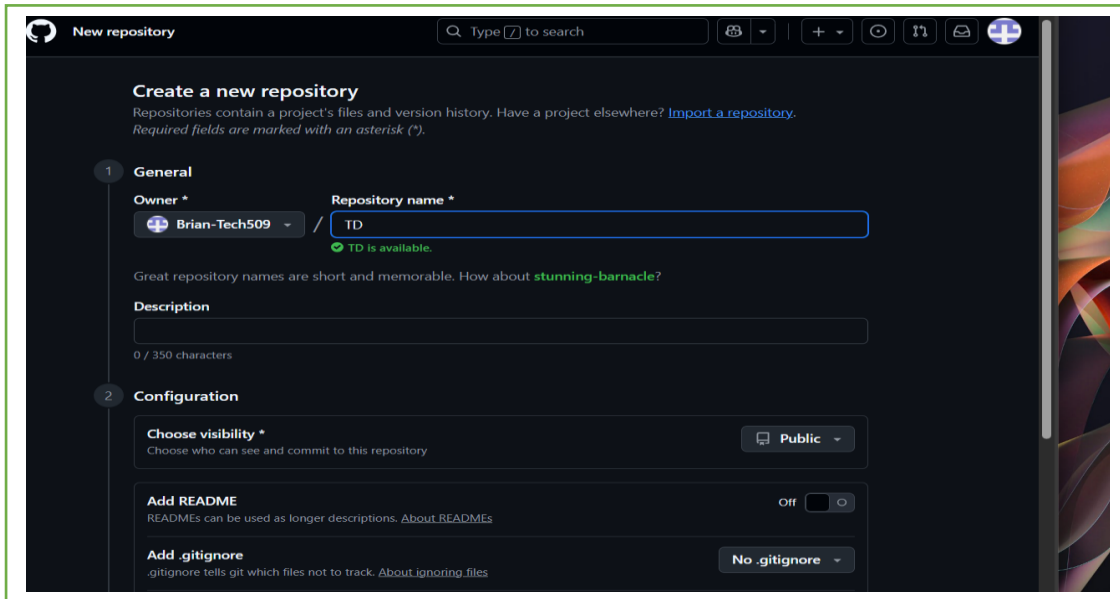
Brian ANTOINE@Bri MINGW64 ~/Desktop/mon-projet- (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 308 bytes | 77.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:Brian-Tech509/mon-projet-.git
7f06439..1892a18  main -> main
branch 'main' set up to track 'origin/main'.

Brian ANTOINE@Bri MINGW64 ~/Desktop/mon-projet- (main)
$ |

```

## EXERCICE 2

# Nouveau dépôt sur Github “TD”



**Create a new repository**  
Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository](#).  
*Required fields are marked with an asterisk (\*).*

**1 General**

Owner \* Brian-Tech509 / Repository name \* TD  
TD is available.

Great repository names are short and memorable. How about **stunning-barnacle**?

Description  
0 / 350 characters

**2 Configuration**

**Choose visibility \***  
Choose who can see and commit to this repository Public

**Add README**  
READMEs can be used as longer descriptions. [About READMEs](#) Off

**Add .gitignore**  
.gitignore tells git which files not to track. [About ignoring files](#) No .gitignore

```
brian ANTOINE@Bri MINGW64 ~/Desktop (master)
$ cd TD

brian ANTOINE@Bri MINGW64 ~/Desktop/TD (main)
$ mkdir systeme

brian ANTOINE@Bri MINGW64 ~/Desktop/TD (main)
$ cd systeme

brian ANTOINE@Bri MINGW64 ~/Desktop/TD/systeme (main)
$ mkdir projet

brian ANTOINE@Bri MINGW64 ~/Desktop/TD/systeme (main)
$ mkdir presentation

brian ANTOINE@Bri MINGW64 ~/Desktop/TD/systeme (main)
$ mkdir image

brian ANTOINE@Bri MINGW64 ~/Desktop/TD/systeme (main)
$ |
```

