

➤ Faculté : Faculté des sciences et de technologie

✓ TD N°Y –Sytèmes

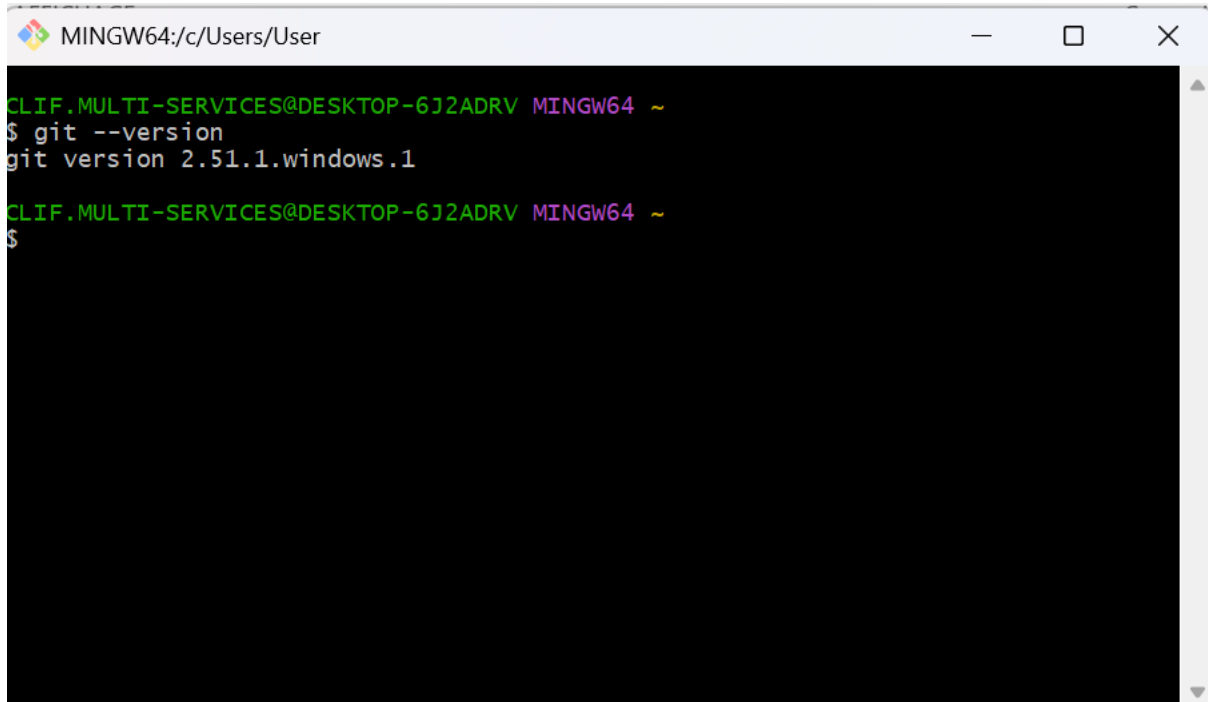
Nom & Prénom : COFFY Cliford

Niveau : L3

Date : 21/10/2025

Pour réaliser ce TD tout d'abord on doit télécharger Git ,après le téléchargement on doit essayer si ça marche bien.


Puis on tape « git --version » puis Enter, ça devrait marcher comme l'exemple du professeur ,pareille comme j'ai fait la photo suivante,



```
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~  
$ git --version  
git version 2.51.1.windows.1  
  
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~  
$
```

Et après on doit créer un compte GitHub pour faire l'alliage à son projet par son email personnel et un mot de passe et un Username .

 Continue with Google

 Continue with Apple

or

Email\*

clifordcoffy@Ggmail.com



Password\*

.....



Password should be at least 15 characters OR at least 8 characters including a number and a lowercase letter.

Username\*

Cliford26



Username may only contain alphanumeric characters or single hyphens, and cannot begin or end with a hyphen.

Your Country/Region\*

Haiti



For compliance reasons, we're required to collect country information to send you occasional updates and announcements.

Puis on met le Username ou l'adresse email et le mot de passe pour y accéder au compte , puis on fait « sign in ».



## Sign in to GitHub

Your account was created successfully! Please [×](#)  
sign in to continue.


Username or email address


Password

[Forgot password?](#)

Sign in

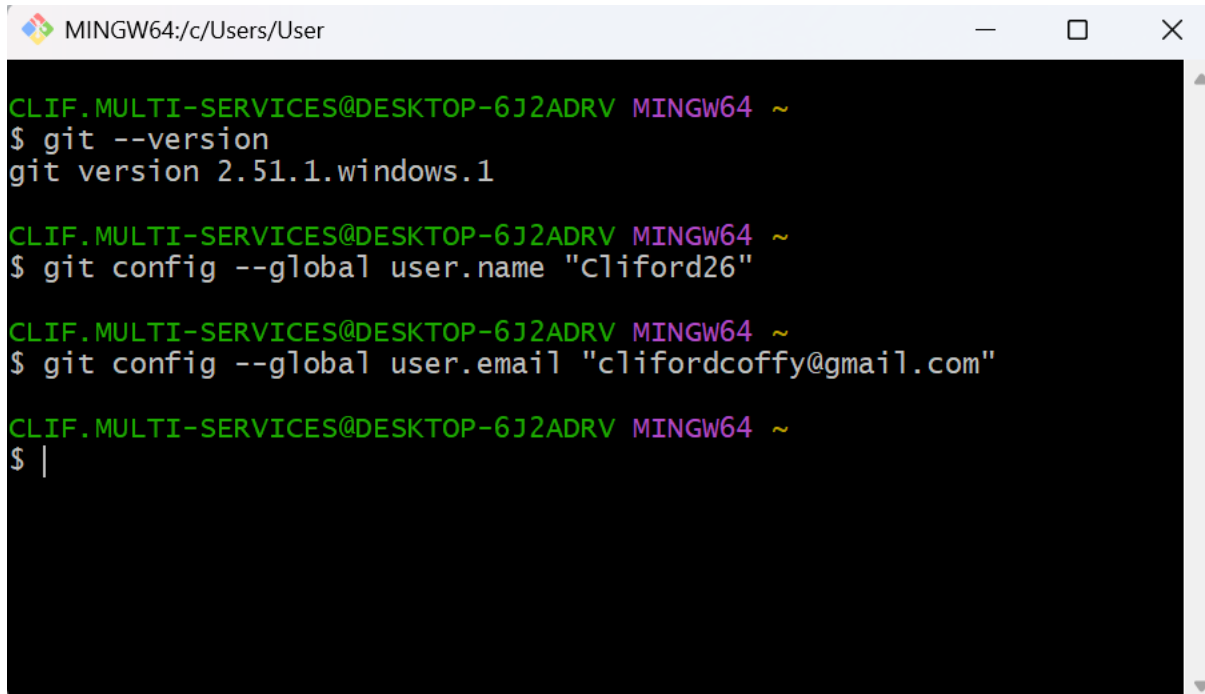
or

 Continue with Google

 Continue with Apple

Et maintenant on doit configurer Git , de ce fait on tape « `git config --global user.name "Cliford26"` » , je met Cliford26 parceque c'est mon Username (cela depend du nom que vous avez configurer) puis on fait presque pareil en m'etant « `git config --global user.email clifordcoffy@gmail.com` »

NB : user.name , parqu'on va mettre un nom et user.email parcequ'on va mettre un email.

A screenshot of a MINGW64 terminal window. The title bar shows the MINGW64 logo and the path 'MINGW64:/c/Users/User'. The terminal has a black background with green and purple text. It shows four lines of command execution: 1. Prompt 'CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~' followed by '\$ git --version' and the output 'git version 2.51.1.windows.1'. 2. Prompt 'CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~' followed by '\$ git config --global user.name "Cliford26"'. 3. Prompt 'CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~' followed by '\$ git config --global user.email "clifordcoffy@gmail.com"'. 4. Prompt 'CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~' followed by '\$ |' and a cursor. A vertical scrollbar is visible on the right side of the terminal window.

```
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ git --version
git version 2.51.1.windows.1

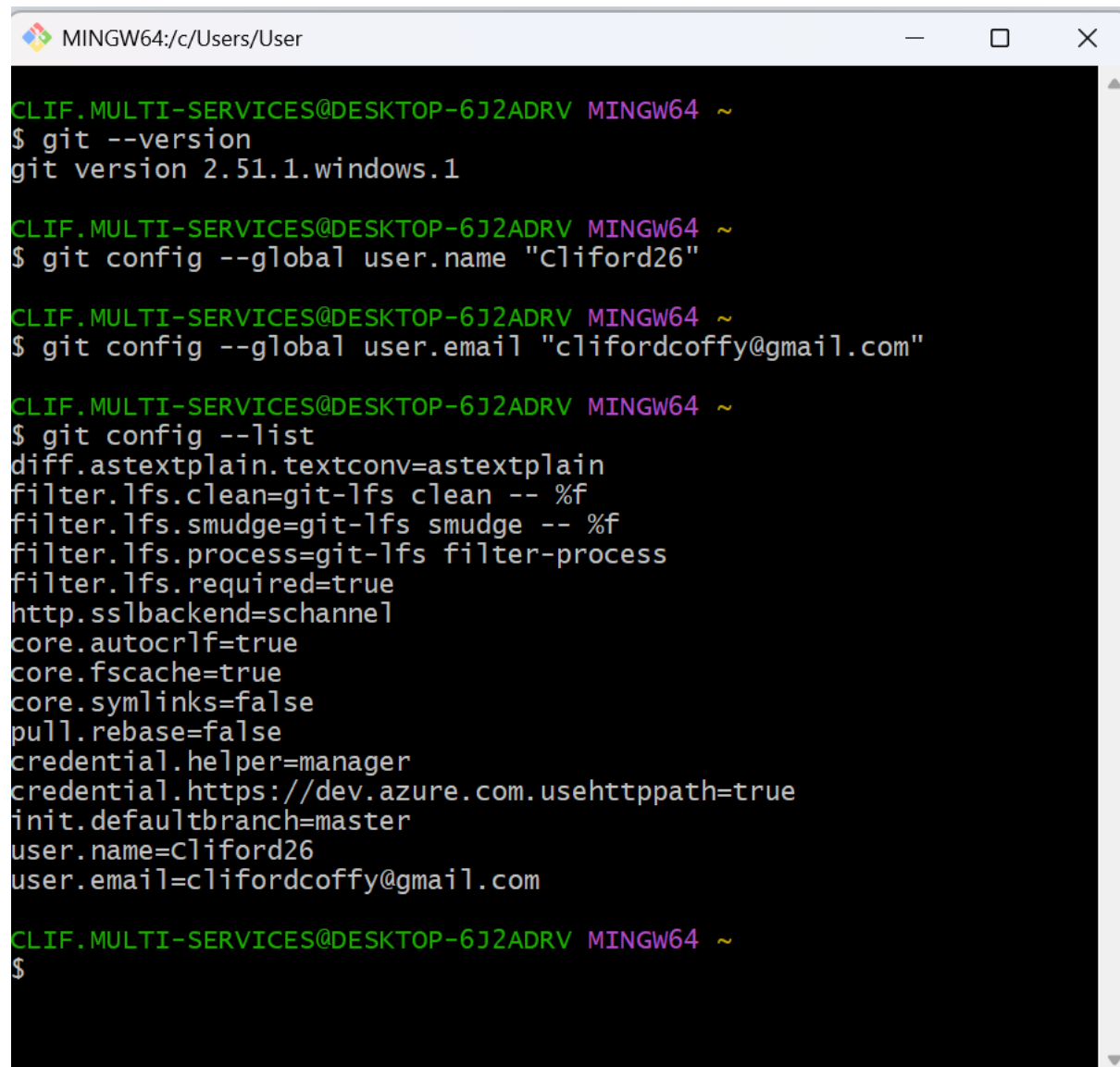
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ git config --global user.name "Cliford26"

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ git config --global user.email "clifordcoffy@gmail.com"

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ |
```

Puis on fait une configuration en tapant « git config --list » puis on fait Enter

Et vous pouvez voir que la configuration est faite donc mon user.name et mon user.email apparaissent en bas



```
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ git --version
git version 2.51.1.windows.1

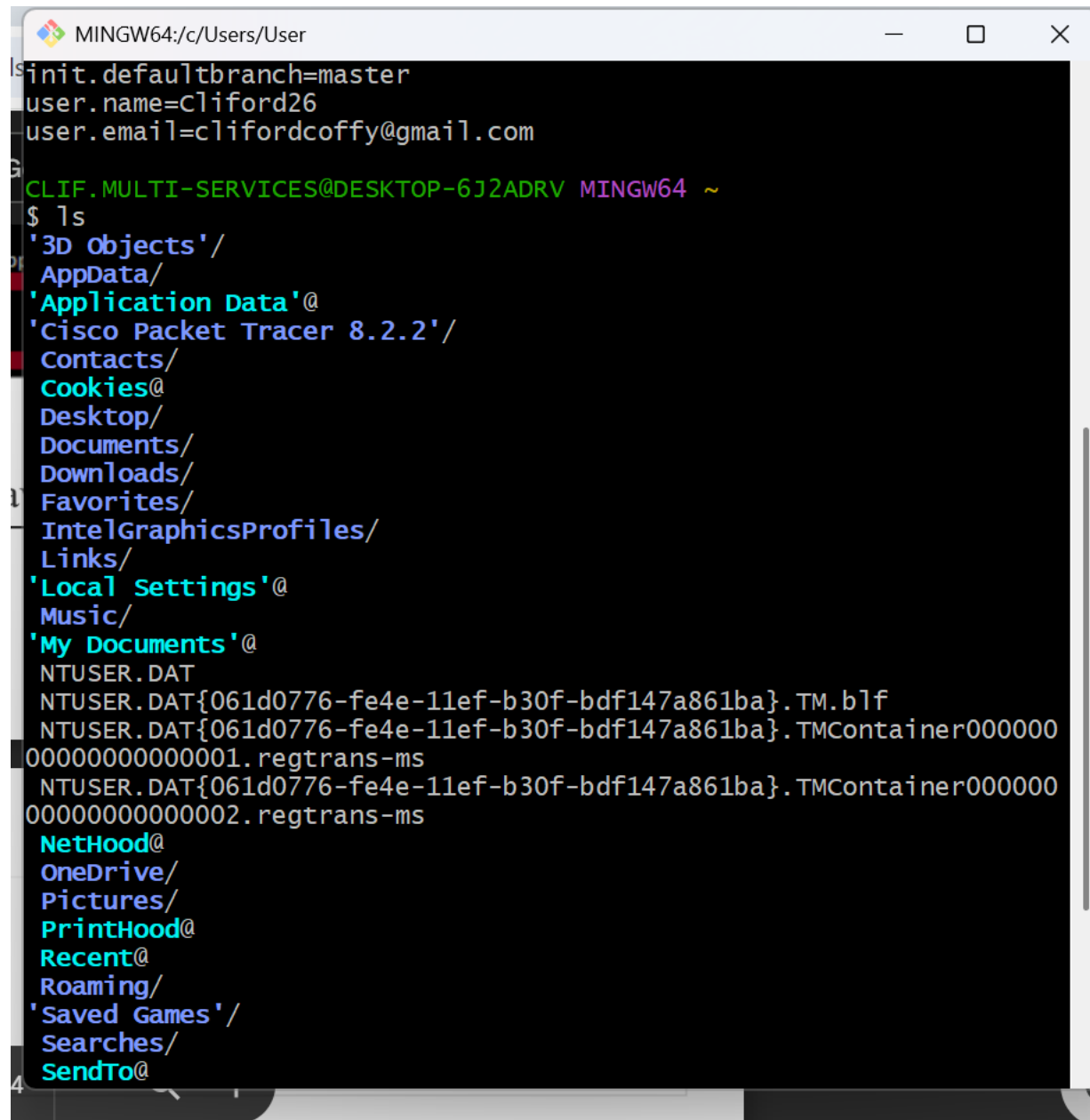
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ git config --global user.name "Cliford26"

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ git config --global user.email "clifordcoffy@gmail.com"

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=schannel
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=Cliford26
user.email=clifordcoffy@gmail.com

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$
```

Ici on teste Git , pour le faire on taper « ls » Enter ; ça aide à lister les dossier ,exemple : README.md, « cd Desktop » Enter ; ça sert à changer vers le dossier du Bureau, « mkdir projet-git » ; ça aide créer un nouveau dossier nommé projet-git, et « cd projet-git » Enter ;ça aide à entrer dans le dossier nommé projet-git.



```
MINGW64:/c/Users/User
git.init.defaultbranch=master
user.name=Cliford26
user.email=clifordcoffy@gmail.com

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ ls
'3D Objects'/
AppData/
'Application Data'@
'Cisco Packet Tracer 8.2.2'/
Contacts/
cookies@
Desktop/
Documents/
Downloads/
Favorites/
IntelGraphicsProfiles/
Links/
'Local Settings'@
Music/
'My Documents'@
NTUSER.DAT
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TM.blf
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TMContainer000000
0000000000000001.regtrans-ms
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TMContainer000000
0000000000000002.regtrans-ms
NetHood@
OneDrive/
Pictures/
PrintHood@
Recent@
Roaming/
'Saved Games'/
Searches/
SendTo@
```

```
MINGW64:/c/Users/User
Cookies@
Desktop/
Documents/
Downloads/
Favorites/
IntelGraphicsProfiles/
Links/
'Local Settings'@
Music/
'My Documents'@
NTUSER.DAT
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TM.b1f
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TMContainer000000
00000000000001.regtrans-ms
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TMContainer000000
00000000000002.regtrans-ms
NetHood@
OneDrive/
Pictures/
PrintHood@
Recent@
Roaming/
'Saved Games'/
Searches/
SendTo@
'Start Menu'@
Templates@
Videos/
eclipse/
eclipse-workspace/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ |
```



```
MINGW64:/c/Users/User/Desktop/projet-git
'My Documents'@
NTUSER.DAT
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TM.blf
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TMContainer000000
0000000000000001.regtrans-ms
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TMContainer000000
0000000000000002.regtrans-ms
NetHood@
OneDrive/
Pictures/
PrintHood@
Recent@
Roaming/
'Saved Games'/
Searches/
SendTo@
'Start Menu'@
Templates@
Videos/
eclipse/
eclipse-workspace/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini

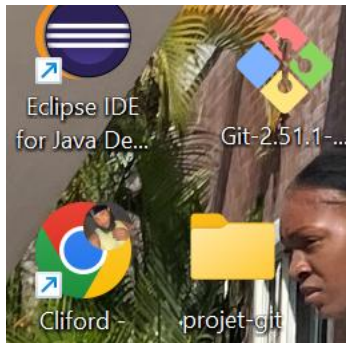
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ cd Desktop

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$ mkdir projet-git

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$ cd projet-git

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git
$ |
```

Ça apparait sur le bureau comme vous voyez dans la photo suivante.



```
MINGW64:/c/Users/User/Desktop/projet-git
1.regtrans-ms
NTUSER.DAT{061d0776-fe4e-11ef-b30f-bdf147a861ba}.TMContainer00000000000000000000
2.regtrans-ms
NetHood@
OneDrive/
Pictures/
PrintHood@
Recent@
Roaming/
'Saved Games'/
Searches/
SendTo@
'Start Menu'@
Templates@
Videos/
eclipse/
eclipse-workspace/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ cd Desktop

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$ mkdir projet-git

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$ cd projet-git

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git
$ git init
Initialized empty Git repository in C:/Users/User/Desktop/projet-git/.git/

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ |
```

```
MINGW64: C:/Users/User/Desktop/projet-git
SendTo@
'Start Menu'@
Templates@
Videos/
eclipse/
eclipse-workspace/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~
$ cd Desktop

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$ mkdir projet-git

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$ cd projet-git

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git
$ git init
Initialized empty Git repository in C:/Users/User/Desktop/projet-git/.git/



CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ echo "Hello Git!" >README.md

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV 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

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ git commit -m "Premier commit avec PowerShell"
[master (root-commit) 6619066] Premier commit avec PowerShell
1 file changed, 1 insertion(+)
create mode 100644 README.md

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ git status
On branch master
nothing to commit, working tree clean

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ |
```

 .git	21/10/2025 15:14	File folder	
 README.md	21/10/2025 15:12	MD File	1 KB

```
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ git log
commit 6619066c4b981a77b12025e3aa2684759e712116 (HEAD -> master)
Author: Clifford26 <cliffordcoffy@gmail.com>
Date: Tue Oct 21 15:14:21 2025 -0400

    Premier commit avec PowerShell

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ |
```

```
MINGW64:/c/Users/User/Desktop
create mode 100644 README.md

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ git status
On branch master
nothing to commit, working tree clean

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ git log
commit 6619066c4b981a77b12025e3aa2684759e712116 (HEAD -> master)
Author: Cliford26 <clifordcoffy@gmail.com>
Date: Tue Oct 21 15:14:21 2025 -0400

    Premier commit avec PowerShell

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/projet-git (master)
$ cd ..

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$ ssh-keygen -t rsa -b 4096 -C "clifordcoffy@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/User/.ssh/id_rsa):
Created directory '/c/Users/User/.ssh'.
Enter passphrase for "/c/Users/User/.ssh/id_rsa" (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/User/.ssh/id_rsa
Your public key has been saved in /c/Users/User/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:kUU1pIs2BNLhI/PZFVfwfMgb2I1RYh5GQOM30YXshmo clifordcoffy@gmail.com
The key's randomart image is:
+---[RSA 4096]---+
|  ..o. .++X*X=+ |
|  o.. o = 0+=o |
|  o o + o .oOo= |
|  + = + ..o+*. |
|  o S .. . |
|  . .E |
|  . |
+---[SHA256]-----+

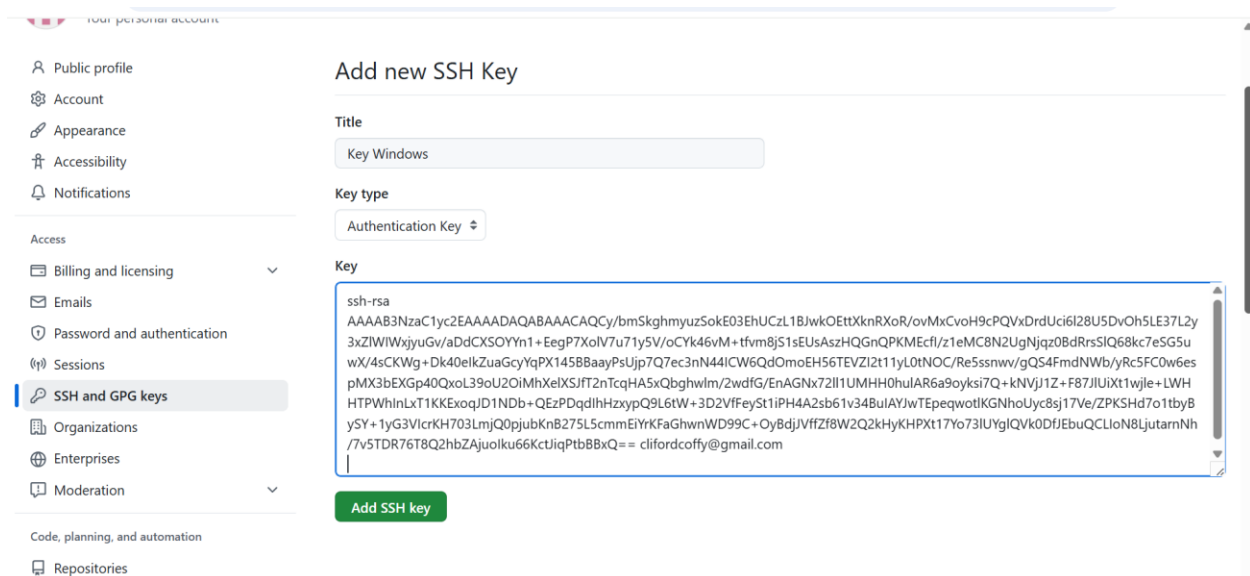
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$
```

```
SHA256:K00ipISZBNH17FZPVTWMBZ11KTH3SQOM50TXSnm0 C1FF0Fdc0FFy@gmail.com
The key's randomart image is:
+---[RSA 4096]---+
|  ..o. .++X*X=+ |
|  o.. o = O+=o |
|  o o + o .oOo= |
|  + = + . .O+* . |
|  o S . . .      |
|  . E             |
|  .               |
+---[SHA256]---+

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$ cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQACy/bmSkghmyuzSokE03EhUCzL1BJwkOEtTXknRXoR/ovMxCvoH9cPQVxDrdUci6l28U5DvOh5LE37L2y3xZlWIWxjyuGv/aDdCXSOYyn1+EegP7Xo1V7u71y5V/oCYk46vM+tfvm8jS1sEUsAszHQGnQPKMEcfI/z1eMC8N2UgNjqz0BdRrsS1Q68kc7eSG5uwX/4sCKWg+Dk40eIkZuaGcyYqPX145BBAayPsUjp7Q7ec3nN44ICW6QdOmoEH56TEVZI2t11yL0tNOC/Re5ssnww/gQS4FmdNwb/yRc5FC0w6espMX3bEXGp40QxoL39oU2OiMhXe1XSJfT2nTcqHA5xQbghwlm/2wdfG/EnAGNx72l11UMHH0hu1AR6a9oyksi7Q+kNVjJ1Z+F87JlUixt1wjle+LWHHTPwhInLxT1KKExoqJD1NDb+QEzPDqdIhHzxypQ9L6tw+3D2VfFeySt1iPH4A2sb61v34BulIAYJwTEpeqwotlKGNhoUyc8sj17Ve/ZPKSHd7o1tbyBySY+1yG3VlcrKH703LmjQ0pjubKnB275L5cmmEIYrKFAGhwnWD99C+OyBdjJVfZf8W2Q2kHyKHPXt17Yo73lUYglQVvK0DfJEbuQCLioN8LjutarnNh/7v5TDR76T8Q2hbZajuoku66KctJiqPtbB8xQ== clifordcoffy@gmail.com

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$
```

Ici on copie la clé affichée dans la terminal ci-dessus



Settings

Q Type / to search

You have successfully added the key 'Key Windows'.

Cliford26 (Cliford26)

Your personal account

Go to your personal profile

Public profile

Account

Appearance

Accessibility

Notifications

Access

Billing and licensing

Emails

Password and authentication

Sessions

SSH and GPG keys

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Authentication keys

Key Windows

SHA256:kUU1pIs2BNLhI/PZfVfwfMgb2IIRYh5GQOM30YXshmo

Added on Oct 21, 2025

Never used — Read/write

Delete

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

GPG keys

New GPG key

Là maintenant je crée un dépôt GitHub

Cliford26 / mon-projet

mon-projet is available.

Great repository names are short and memorable. How about [supreme-waddle](#)?

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

Add license

Licenses explain how others can use your code. [About licenses](#)

MIT License

Create repository

```
MINGW64/c/Users/User/Desktop/mon-projet

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop
$ cd mon-projet

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/mon-projet (main)
$ echo "Systeme d'exploitation !" > Module.txt

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV 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

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/mon-projet (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

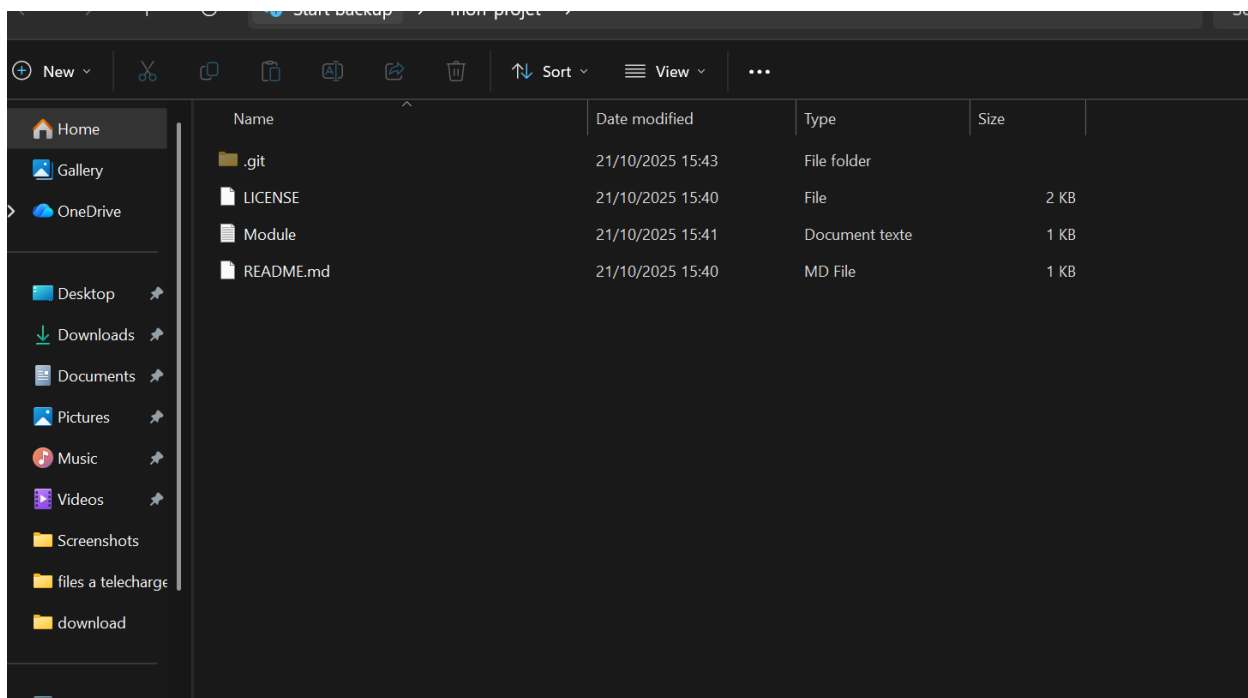
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   Module.txt

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/mon-projet (main)
$ git commit -m "Ajout Module"
[main 6fc4a13] Ajout Module
 1 file changed, 1 insertion(+)
 create mode 100644 Module.txt

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/mon-projet (main)
$ git branch -M main

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV 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 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 336 bytes | 336.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:Cliford26/mon-projet.git
   c1eb9e7..6fc4a13  main -> main
branch 'main' set up to track 'origin/main'.

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/mon-projet (main)
$
```



```
CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV 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 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 336 bytes | 336.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:Cliford26/mon-projet.git
   c1eb9e7..6fc4a13  main -> main
branch 'main' set up to track 'origin/main'.

CLIF.MULTI-SERVICES@DESKTOP-6J2ADRV MINGW64 ~/Desktop/mon-projet (main)
$ git --version
```