



# Institut Universitaire des Sciences

Faculté des sciences et technologies

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## Rapport de travaux dirigés

Cours : Système d'exploitation 1

Etudiant : Yann Lelay PIERRE

Niveau : L3



Description :

Ce devoir (TD) est :

- De pouvoir mieux servir des dépôts (repositories)
- De Comprendre Git et Github
- Apprendre à mieux utiliser Git et Github

1. Les exercices pratique



```
PS C:\Users\PC\OneDrive\Bureau\MonProjet> echo "Hello, Git!" > fichier.txt
PS C:\Users\PC\OneDrive\Bureau\MonProjet> echo "Bonjour, Git!" > fichier1.txt
PS C:\Users\PC\OneDrive\Bureau\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\PC\OneDrive\Bureau\MonProjet> git add .
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git commit -m "Message décrivant les modifications"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Le genie@Lelay-2004.(no
```

```

ne)')
PS C:\Users\PC\OneDrive\Bureau\MonProjet> echo "Systeme d'exploitation!"
> Module.txt
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git add .
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git status
On branch master

No commits yet

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

PS C:\Users\PC\OneDrive\Bureau\MonProjet> git commit -m "Ajout Module"
Author identity unknown

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Le genie@Lelay-2004.(no
ne)')
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git config --global user.em
ail "pierreylanlelaylegenie@gmail.com"
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git config --global user.name

```

```

PS C:\Users\PC\OneDrive\Bureau\MonProjet> git config --global user.name "Lelay2004"
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git add .
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git commit -m "Message décrivant les modifications"
[master (root-commit) 2c3f1a8] Message décrivant les modifications
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Module.txt
 create mode 100644 fichier.txt
 create mode 100644 fichier1.txt
PS C:\Users\PC\OneDrive\Bureau\MonProjet> echo "Systeme d'exploitation!" > Module.txt
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git add .
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git status
On branch master
nothing to commit, working tree clean
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git commit -m "Ajout Module"
On branch master
nothing to commit, working tree clean
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git log
commit 2c3f1a86d5c0bd8ae631f0ab9fd1d582f717c7f2 (HEAD -> master)
Author: Lelay2004 <pierreyannlelaylegenie@gmail.com>
Date:   Mon Oct 21 12:49:58 2024 -0400

    Message décrivant les modifications
PS C:\Users\PC\OneDrive\Bureau\MonProjet> git checkout 2c3f1a86d5c0bd8ae631f0ab9fd1d582f717c7f2
Note: switching to '2c3f1a86d5c0bd8ae631f0ab9fd1d582f717c7f2'.

You are in 'detached HEAD' state. You can look around, make experimental changes and commit them, and you can discard any commits you make in this state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may do so (now or later) by using -c with the switch command. Example:

    git switch -c <new-branch-name>

Or undo this operation with:

    git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 2c3f1a8 Message décrivant les modifications

```



## 2. Création du nouveau dépôt

### 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 \*

 pylg2004

/


td\_


 td\_ is available.

Great repository names are short and memorable. Need inspiration? How about [cautious-adventure](#) ?

Description (optional)

td de SE Linux et de reseaux

☒  **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.

Clé SSH

```
PS C:\Users\PC\OneDrive> ssh-keygen -t rsa -b 4096 -C "pierreaynnleayle
genie@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\PC\.ssh\id_rsa):
Created directory 'C:\Users\PC\.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\PC\.ssh\id_rsa
Your public key has been saved in C:\Users\PC\.ssh\id_rsa.pub
The key fingerprint is:
SHA256:na53Hhekrta0lcaAlItkdERJ+sehAHo0/5Y3X8xHuLg pierreaynnleaylegen
i@gmail.com
The key's randomart image is:
+---[RSA 4096]---+
|      . . . + = o      |
|      . . oo +        |
|    o .ooo o. .      |
|      = . +o +. + .    |
|    o S = +oo . .     |
|      . o o. + = +     |
|      + +o + + * .     |
|      . oo + + = .     |
|      . o . o E        |
+---[SHA256]-----+
```

```
PS C:\Users\PC\OneDrive> cat ~/.ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQADPqxpZw0oxfart6+MwbZo3QZ5No1yfHagc
37jSRM4r892c0DcsQoJ3F42llrRAs868V3u41YRAB+5GbqCQi6RYne2kdebXENDQyOZ1Y/ek
R+h4V0zJsOxMXb5wsYdu48renhZHSTDOY/xVmqL5vdkbj4t0ApNWrx7YT8O2Rocby+6JDV8+
6z1nGntoFWrGWBCcU0LHGGuW3leZvMuKXKW+Uftco+3gyJtTFhvYTcdXbQvrCzHAMNQzu38Dj
nsbphE4n8GZ+9fZx7sefyBUNyhmh3MJLFPYyQNoraWvSZossm9hC98g8EcXLxQhMIv/X+LCy
tPkwgLVsD8yv1bAZ7uo1wAXYlwLR4OgSMszRCkMcFb1y5RLOPgm4LXKDaE7/gjGMSckw9lQf
yuYNNnRddQS5/61oqZLBs+TLGvpGFy66tdbm+TwrFE8qd8ALTW6ZNhIICiH68E74ki2DRRTk
TAtptsXVjfZCmIc8XApDhIiYU8ao6pbg0NgxvJgYsaV8u6ABHTo0bXe30bJhSDt2gP0hirH
yruzkyv9Ejn5wja8zJHS0603GVKnCT4R7/Wiq1s/wAD5GrE+jcgfiZWfGaWLkMaRbqN/up9t
zjQZ4Y3X1UcDgpQm6LJioskoDFIheev+JQwwdXiucQT0ZHvM1dsjqwwSrjXYgwk2D926wgN
Pw== pierreyannlelaylegenie@gmail.com
```

## Add new SSH Key

Title

My Laptop SSH key

Key type

Authentication Key

Key

ssh-rsa

```
AAAAB3NzaC1yc2EAAAADAQABAAQADPqxpZw0oxfart6+MwbZo3QZ5No1yfHagc37jSRM4r892c0DcsQoJ3F42llrRAs868V3u41YRAB+5
GbqCQi6RYne2kdebXENDQyOZ1Y/ekR+h4V0zJsOxMXb5wsYdu48renhZHSTDOY/xVmqL5vdkbj4t0ApNWrx7YT8O2Rocby+6JDV8+6z1nGn
toFWrGWBCcU0LHGGuW3leZvMuKXKW+Uftco+3gyJtTFhvYTcdXbQvrCzHAMNQzu38DjnsbphE4n8GZ+9fZx7sefyBUNyhmh3MJLFPYyQNora
WvSZossm9hC98g8EcXLxQhMIv/X+LCytPkwgLVsD8yv1bAZ7uo1wAXYlwLR4OgSMszRCkMcFb1y5RLOPgm4LXKDaE7/gjGMSckw9lQfyuYNN
nRddQS5/61oqZLBs+TLGvpGFy66tdbm+TwrFE8qd8ALTW6ZNhIICiH68E74ki2DRRTkTAtptsXVjfZCmIc8XApDhIiYU8ao6pbg0NgxvJgYsaV8u
6ABHTo0bXe30bJhSDt2gP0hirHyrzkyv9Ejn5wja8zJHS0603GVKnCT4R7/Wiq1s/wAD5GrE+jcgfiZWfGaWLkMaRbqN/up9tzjQZ4Y3X1UcDg
pQm6LJioskoDFIheev+JQwwdXiucQT0ZHvM1dsjqwwSrjXYgwk2D926wgNPw== pierreyannlelaylegenie@gmail.com
```

Add SSH key

## Authentication keys



My Laptop SSH key

SHA256: na53Hhekrta0lcaAlItkdERJ+sehAHoO/5Y3X8xHuLg

SSH

Added on Oct 21, 2024

Never used — Read/write

Delete

## 3. Lancer les commandes

```
PS C:\Users\PC\OneDrive\Bureau> git --version
git version 2.44.0.windows.1
PS C:\Users\PC\OneDrive\Bureau> mkdir TD
```

Directory: C:\Users\PC\OneDrive\Bureau

Mode	LastWriteTime	Length	Name
d-----	10/18/2024 8:12 AM		TD

```
PS C:\Users\PC\OneDrive\Bureau> cd td
PS C:\Users\PC\OneDrive\Bureau\td> git init
Initialized empty Git repository in C:\Users\PC\OneDrive\Bureau\TD\git\
```



```

PS C:\Users\PC\OneDrive\Bureau\td> mkdir systeme

Directory: C:\Users\PC\OneDrive\Bureau\td


Mode                LastWriteTime         Length Name
----                -
d-----          10/18/2024   8:17 AM             systeme

PS C:\Users\PC\OneDrive\Bureau\td> cd systeme
PS C:\Users\PC\OneDrive\Bureau\td\systeme> cd..
PS C:\Users\PC\OneDrive\Bureau\td> mkdir reseaux

Directory: C:\Users\PC\OneDrive\Bureau\td


Mode                LastWriteTime         Length Name
----                -
d-----          10/18/2024   8:18 AM             reseaux

PS C:\Users\PC\OneDrive\Bureau\td> cd .\reseaux\
PS C:\Users\PC\OneDrive\Bureau\td\reseaux> mkdir images

Directory: C:\Users\PC\OneDrive\Bureau\td\reseaux


Mode                LastWriteTime         Length Name
----                -
d-----          10/18/2024   8:18 AM             images

```

Exécution des commandes :

cd systeme

git status

git add .

git commit -m "Ajout rapport1 "

git push

cd images

git status

git add .

git commit -m "Ajout les images td1 "

git push

```
Windows PowerShell
PS C:\Users\PC\OneDrive\Bureau\td\systeme\images> cd ..
PS C:\Users\PC\OneDrive\Bureau\td\systeme> cd ..
PS C:\Users\PC\OneDrive\Bureau\td> cd systeme
PS C:\Users\PC\OneDrive\Bureau\td\systeme> git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   Institut Universitaire des Sciences.docx
    new file:   images/cap0.png
    new file:   images/cap2.png
    new file:   images/cap3.png
    new file:   images/cap4.png
    new file:   images/cap5.png
    new file:   images/cap6.png
    new file:   rapport.pdf

PS C:\Users\PC\OneDrive\Bureau\td\systeme> git add .
PS C:\Users\PC\OneDrive\Bureau\td\systeme> git commit -m "Ajout rapport1 "
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Le genie@Lelay-2004.(none)')
PS C:\Users\PC\OneDrive\Bureau\td\systeme> git push
fatal: No configured push destination.
Either specify the URL from the command-line or configure a remote repository using

    git remote add <name> <url>

and then push using the remote name

    git push <name>

PS C:\Users\PC\OneDrive\Bureau\td\systeme> cd images
PS C:\Users\PC\OneDrive\Bureau\td\systeme\images> git status
On branch master
```

```

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   ../Institut Universitaire des Sciences.docx
    new file:   cap0.png
    new file:   cap2.png
    new file:   cap3.png
    new file:   cap4.png
    new file:   cap5.png
    new file:   cap6.png
    new file:   ../rapport.pdf

PS C:\Users\PC\OneDrive\Bureau\td\systeme\images> git add .
PS C:\Users\PC\OneDrive\Bureau\td\systeme\images> git commit -m "Ajout les images td1 "
Author identity unknown

*** Please tell me who you are.

Run

    git config --global user.email "you@example.com"
    git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Le genie@Lelay-2004.(none)')
PS C:\Users\PC\OneDrive\Bureau\td\systeme\images> git push
fatal: No configured push destination.
Either specify the URL from the command-line or configure a remote repository using

    git remote add <name> <url>

and then push using the remote name

    git push <name>

PS C:\Users\PC\OneDrive\Bureau\td\systeme\images> |

```

Conclusion :

Par la pratique j'arrive à mieux comprendre git et github et être prêt à s'en servir d'eux