

# git

## Job 1

-installer git avec la commande : `sudo apt install git-all`

-créer un compte Github, choisir l'username: prénom-nom, fair l'upgrade compte premium Github éducation  
envoyer un message à « Deepthought » en indiquant le lien vers le comte Github et attendre la réponse pour rejoindre l'organisation Github de la plateforme

## Job 2

-Créer repository: aller dans le home de Github et créer un repository nommé « shell » et le mettre en publique pour que la plateforme est les droits d'accès.

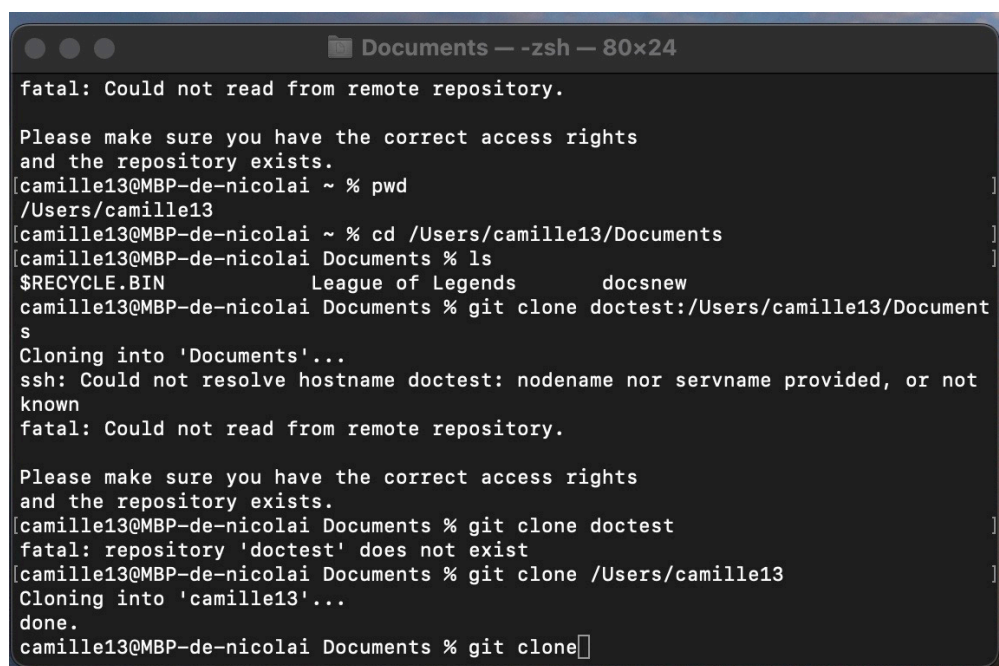
entrer la commande `git init` pour démarrer un dépôt Git dans un répertoire déjà crée:

ex: `git init` en étant dans le chemin de répertoire = `/Users/camille13/Documents/docgit/.git/`

-Cloner le repository:

entrer la commande : `git clone 'chemin'`

ex: `git clone /Users/camille13/Documents`

A terminal window titled 'Documents — -zsh — 80x24' showing a series of git commands and errors. The user is in the directory /Users/camille13/Documents. They attempt to clone a repository named 'doctest' from the path '/Users/camille13/Documents', which fails with a 'fatal: Could not read from remote repository' error. They then attempt to clone a repository named 'doctest' from the path '/Users/camille13', which also fails with a 'fatal: repository 'doctest' does not exist' error. Finally, they attempt to clone a repository named 'camille13' from the path '/Users/camille13', which succeeds, showing 'Cloning into 'camille13'...' and 'done.'.

```
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
camille13@MBP-de-nicolai ~ % pwd
/Users/camille13
camille13@MBP-de-nicolai ~ % cd /Users/camille13/Documents
camille13@MBP-de-nicolai Documents % ls
$RECYCLE.BIN          League of Legends     docsnew
camille13@MBP-de-nicolai Documents % git clone doctest:/Users/camille13/Documents
Cloning into 'Documents'...
ssh: Could not resolve hostname doctest: nodename nor servname provided, or not known
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
camille13@MBP-de-nicolai Documents % git clone doctest
fatal: repository 'doctest' does not exist
camille13@MBP-de-nicolai Documents % git clone /Users/camille13
Cloning into 'camille13'...
done.
camille13@MBP-de-nicolai Documents % git clone
```

-Ajoutez le travail du projet réaliser à l'intérieur du repository shell:

entrer la commande **git add** pour ajouter un fichier eu repository  
ex: **git add test1.txt**

```
Documents — 25m — 80x24
Last login: Thu Sep 29 18:05:13 on ttys000
[camille13@MBP-de-nicolai ~ % echo "#doctest" >> test1.txt
[camille13@MBP-de-nicolai ~ % git add test1.txt
[camille13@MBP-de-nicolai ~ % git clone doctest:/Users/camille13/Documents
fatal: destination path 'Documents' already exists and is not an empty directory
.
[camille13@MBP-de-nicolai ~ % git clone doctest:/Users/camille13
Cloning into 'camille13'...
ssh: Could not resolve hostname doctest: nodename nor servname provided, or not
known
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
[camille13@MBP-de-nicolai ~ % pwd
/Users/camille13
[camille13@MBP-de-nicolai ~ % cd /Users/camille13/Documents
[camille13@MBP-de-nicolai Documents % ls
$RECYCLE.BIN      League of Legends      docsnew
camille13@MBP-de-nicolai Documents % git clone doctest:/Users/camille13/Document
s
Cloning into 'Documents'...
ssh: Could not resolve hostname doctest: nodename nor servname provided, or not
known
```

Réaliser un commit pour valider les  
modifications apportées au HEAD. entrer la commande :  
**git commit -m «Description »**  
ex: **git commit -m «commit1»**

```
Documents — 25m — 80x24
fatal: repository 'doctest' does not exist
[camille13@MBP-de-nicolai Documents % git clone /Users/camille13
Cloning into 'camille13'...
done.
[camille13@MBP-de-nicolai Documents % pwd
/Users/camille13/Documents
[camille13@MBP-de-nicolai Documents % ls
$RECYCLE.BIN      camille13
League of Legends  docsnew
[camille13@MBP-de-nicolai Documents % cd /Users/camille13

[camille13@MBP-de-nicolai ~ % ls
Desktop          Parallels
Documents        Pictures
Downloads        Public
Ghost in the Shell.pdf  Virtual Machines.localized
Library          camille.nicolai
Movies           test1.txt
Music

[camille13@MBP-de-nicolai ~ % git commit -m "commit1"
[main f5d8848] commit1
1 file changed, 1 insertion(+)
create mode 100644 test1.txt
[camille13@MBP-de-nicolai ~ % git status
```

Créer une branche avec la commande : `git branch -M 'nomdebranche'`  
ex: `git branch -M main`

-Pushez le nouveau contenu de votre repository:

pour se connecter au dépôt distant utiliser la commande `git remote`:  
utiliser la commande `git remote -v` pour répertorier les dépôts existants  
ensuite entrer la commande `git remote add origin 'adresse SSH'` ou  
'adresse URL'

ex: `git remote add origin git@github.com:camille-nicolai/testdoc.git`

-pour finir réaliser le push:

envoie les modifications locales apportées à la branche

principale associée entrer la commande `git push -u origin 'nomdebranche'`

ex: `git push -u origin main`

```
nothing added to commit but untracked files present (use "git add" to track)
[camille13@MBP-de-nicolai docgit % git init
Initialized empty Git repository in /Users/camille13/Documents/docgit/.git/
[camille13@MBP-de-nicolai docgit % git add testfichier.txt
[camille13@MBP-de-nicolai docgit % git commit -m "first commit"
[main (root-commit) f15e4d6] first commit
 1 file changed, 1 insertion(+)
 create mode 100644 testfichier.txt
[camille13@MBP-de-nicolai docgit % ls
testfichier.txt
[camille13@MBP-de-nicolai docgit % git branch -M main
[camille13@MBP-de-nicolai docgit % git remote add origin git@github.com:camille-n
icolai/testdoc.git
[camille13@MBP-de-nicolai docgit % git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 228 bytes | 228.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:camille-nicolai/testdoc.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
[camille13@MBP-de-nicolai docgit % pwd
/Users/camille13/Documents/docgit
[camille13@MBP-de-nicolai docgit % cd /Users/camille13/Documents
```

## Job 3

-créer un nouveau repo nommé git-begins

Sur Github créer un repo nommé git begins.

-cloner ce dernier via le terminal.

entrer la commande :

`git clone git@github.com:camille-nicolai/gir-begins.git`

-Ajouter un fichier

commands-git:

entrer la commande: `git`

`add commands-git`

ajouter les 3

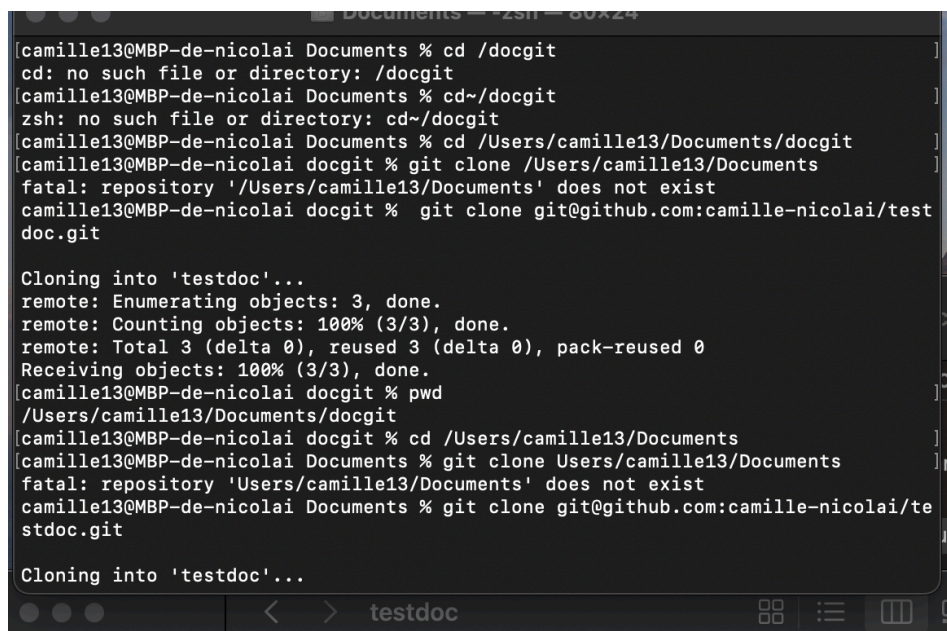
commandes de push:

`git remote add origin`

`git@github.com:camille-nicolai/git-begins.git`

`git branch -M main`

`git push -u origin main`



```
[camille13@MBP-de-nicolai Documents] % cd /docgit
cd: no such file or directory: /docgit
[camille13@MBP-de-nicolai Documents] % cd ~/docgit
zsh: no such file or directory: cd~/docgit
[camille13@MBP-de-nicolai Documents] % cd /Users/camille13/Documents/docgit
[camille13@MBP-de-nicolai docgit] % git clone /Users/camille13/Documents
fatal: repository '/Users/camille13/Documents' does not exist
[camille13@MBP-de-nicolai docgit] % git clone git@github.com:camille-nicolai/testdoc.git

Cloning into 'testdoc'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
[camille13@MBP-de-nicolai docgit] % pwd
/Users/camille13/Documents/docgit
[camille13@MBP-de-nicolai docgit] % cd /Users/camille13/Documents
[camille13@MBP-de-nicolai Documents] % git clone Users/camille13/Documents
fatal: repository 'Users/camille13/Documents' does not exist
[camille13@MBP-de-nicolai Documents] % git clone git@github.com:camille-nicolai/testdoc.git

Cloning into 'testdoc'...
```

-Réalisez le pull

entrer la commande `git pull`

-Créer un repo nommé Starter-2022 et ajouter dossier prénom-nom

une fois le repo créer et initialiser faite `git add`:

placez vous dans l'emplacement du dossier prénom-nom si besoin

mettez le dossier dans un autre dossier vide

entrer la commande `git add --all` pour ajouter tout le contenu du répertoire où vous vous trouvez.

Pour finir faire un commit et un push.

## Pour aller plus loin...

Créer un branche dans git begins nommé "add-create-branch-command".

entrer la commande : `git branch add-create-branch-command`

basculer dessus avec la commande : `git checkout add-create-branch-command`

ajouter la commande pour ajouter une branche au fichier commands-git:  
modifier sur nano le contenu et faire un push :

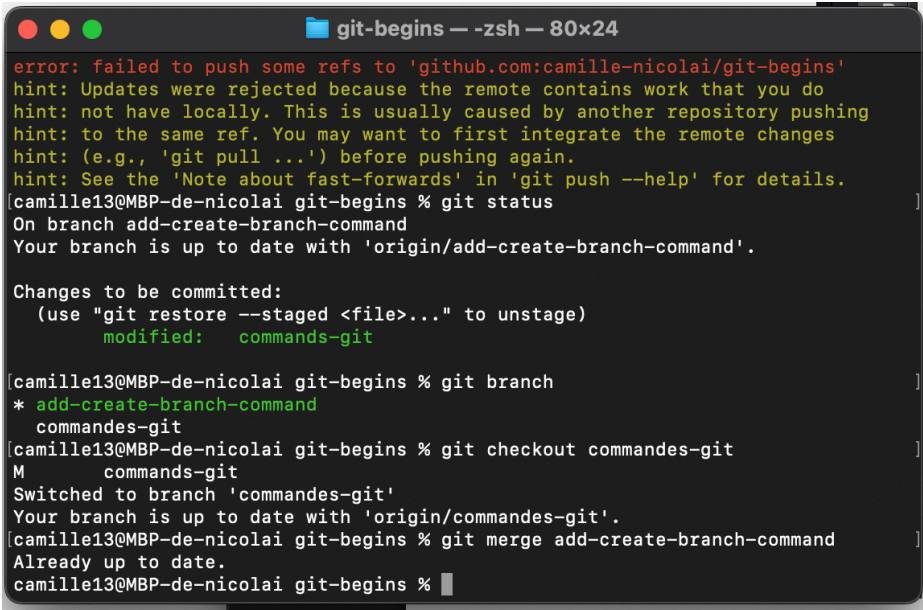
`git add comands-git`

`git push -u origin add-create-branch-command`

switcher de branch avec la commande: `git checkout 'nom de branche'`

faire un merge de la branche secondaire:

`git merge 'nom de la 2eme branche'`

A terminal window titled 'git-begins -- zsh -- 80x24' showing a sequence of git commands and their outputs. The user attempts to push to a remote repository but receives an error about rejected updates. They then check the status, which shows they are on the 'add-create-branch-command' branch. They create a new branch named 'commandes-git', switch to it, and then merge the 'add-create-branch-command' branch into it. The terminal output is as follows:

```
error: failed to push some refs to 'github.com:camille-nicolai/git-begins'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
[camille13@MBP-de-nicolai git-begins % git status
On branch add-create-branch-command
Your branch is up to date with 'origin/add-create-branch-command'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   commands-git

[camille13@MBP-de-nicolai git-begins % git branch
* add-create-branch-command
  commandes-git
[camille13@MBP-de-nicolai git-begins % git checkout commandes-git
M      commandes-git
Switched to branch 'commandes-git'
Your branch is up to date with 'origin/commandes-git'.
[camille13@MBP-de-nicolai git-begins % git merge add-create-branch-command
Already up to date.
camille13@MBP-de-nicolai git-begins %
```

basculer sur la 2eme branche et modifier le contenu du fichier.