Aaron SOUSSAN

TP GITHUB

Création d'un nouveau Repository
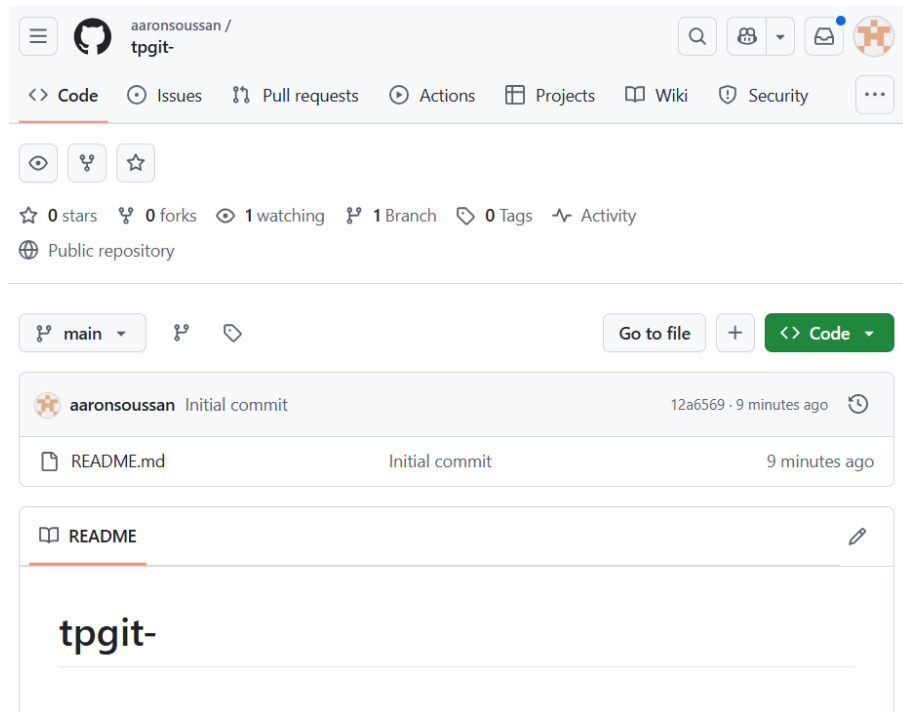
Clonage du Repository en local

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Création d'un dossier tp_git_python_1

```
PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (main)
$ mkdir tp_git_python_1

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (main)
$ cd tp_git_python_1

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit-/tp_git_python_1 (main)
```
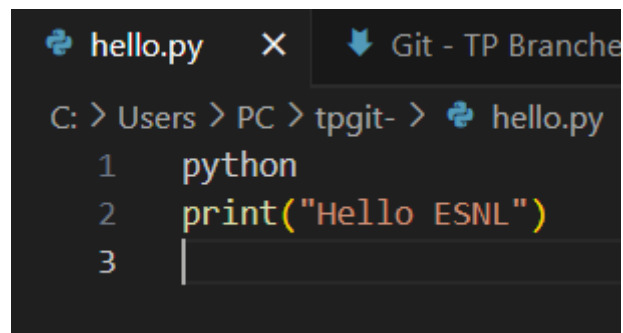
Initialiser un dépôt git vide

```
PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit-/tp_git_python_1 (main)
$ git init
Initialized empty Git repository in C:/Users/PC/tpgit-/tp_git_python_1/.git/
```

Création du fichier hello.py

```
🐍 hello.py    ✕    ⬇ Git - TP Branche

C: > Users > PC > tpgit- > 🐍 hello.py
    1    python
    2    print("Hello ESNL")
    3    |
```

On visualise le statut

```
PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   README.md

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

no changes added to commit (use "git add" and/or "git commit -a")
```

On Push le fichier hello sur GitHub :

```
PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (main)
$ git push
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 361 bytes | 361.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/aaronsoussan/tpgit-.git
   12a6569..9d81ea8  main -> main

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (main)
$
```

aaronsoussan commit 1		9d81ea8 · 2 hours ago	2 Commits
README.md	commit 1		2 hours ago
hello.py	commit 1		2 hours ago

Création d'une branche

```
PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (main)
$ git checkout -b nouvelleBranche
Switched to a new branch 'nouvelleBranche'

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (nouvelleBranche)
$ git branch
  main
* nouvelleBranche
```

Fusion des branches avec la commande 'merge'

```
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

PC@DESKTOP-OKNOPR9 MINGW64 ~/tpgit- (main)
$ git merge test
merge: test - not something we can merge

PC@DESKTOP-OKNOPR9 MINGW64 ~/tpgit- (main)
$ git merge nouvelleBranche
Already up to date.

PC@DESKTOP-OKNOPR9 MINGW64 ~/tpgit- (main)
$ git branch -d nouvelleBranche
Deleted branch nouvelleBranche (was 9d81ea8).

PC@DESKTOP-OKNOPR9 MINGW64 ~/tpgit- (main)
$
```
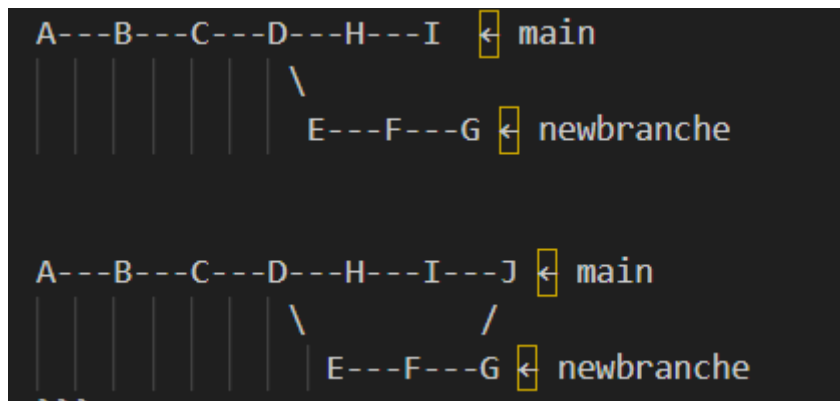
On modifie le fichier hello.py et on le commit après chaque modification sur la branche main puis sur la branche newbranche de cette façon :

```
A---B---C---D---H---I  ← main
    |           \
    |             E---F---G ← newbranche


A---B---C---D---H---I---J ← main
    |           \       /
    |             E---F---G ← newbranche
```

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Commit sur la branche Main

D		70119b0	
aaronsoussan committed 5 minutes ago			
C		ed74c7d	
aaronsoussan committed 6 minutes ago			
B		0eced54	
aaronsoussan committed 7 minutes ago			
A		918b980	
aaronsoussan committed 7 minutes ago			
commit 1		9d81ea8	
aaronsoussan committed 5 hours ago			
Initial commit	Verified	12a6569	
aaronsoussan authored 6 hours ago			

Commit sur la branche newbranche

```
PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (newbranche)
$ git commit -m "E"
[newbranche 1717889] E
 1 file changed, 1 insertion(+)

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (newbranche)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 303 bytes | 303.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/aaronsoussan/tpgit-.git
   9d81ea8..1717889  newbranche -> newbranche

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (newbranche)
$ git add .

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (newbranche)
$ git commit -m "F"
[newbranche 735bdec] F
 1 file changed, 1 insertion(+), 1 deletion(-)

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (newbranche)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 303 bytes | 303.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/aaronsoussan/tpgit-.git
   1717889..735bdec  newbranche -> newbranche

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (newbranche)
$ git add .

PC@DESKTOP-0KN0PR9 MINGW64 ~/tpgit- (newbranche)
$ git commit -m "G"
[newbranche d9b6ecb] G
 1 file changed, 1 insertion(+), 1 deletion(-)
```

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Commits

newbranche ▾   All users ▾   All tim

○ Commits on Jan 9, 2025

G
aaronsoussan committed 5 minutes ago   d9b6ecb

F
aaronsoussan committed 6 minutes ago   735bdec

E
aaronsoussan committed 6 minutes ago   1717889

○ Commits on Jan 8, 2025

On fusionne nos branches avec la commande git rebase

```
PC@DESKTOP-OKNOPR9 MINGW64 ~/tpgit- (main)
$ git rebase newbranche
warning: skipped previously applied commit 918b980
warning: skipped previously applied commit 0eced54
warning: skipped previously applied commit ed74c7d
warning: skipped previously applied commit 70119b0
hint: use --reapply-cherry-picks to include skipped commits
hint: Disable this message with "git config advice.skippedCherryPicks false"
Successfully rebased and updated refs/heads/main.
```

On push notre rebase

main ▾   All users ▾   All time ▾

○ Commits on Jan 9, 2025

commit
aaronsoussan committed 3 minutes ago   5118271 <>

G
aaronsoussan committed 37 minutes ago   d9b6ecb <>

F
aaronsoussan committed 37 minutes ago   735bdec <>

E
aaronsoussan committed 38 minutes ago   1717889 <>

○ Commits on Jan 8, 2025