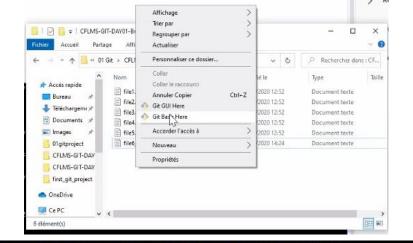


How to go through the git learning experience

- **→** Basic Command
- → Collaborate with your peer
- → Manage conflict

To start with git

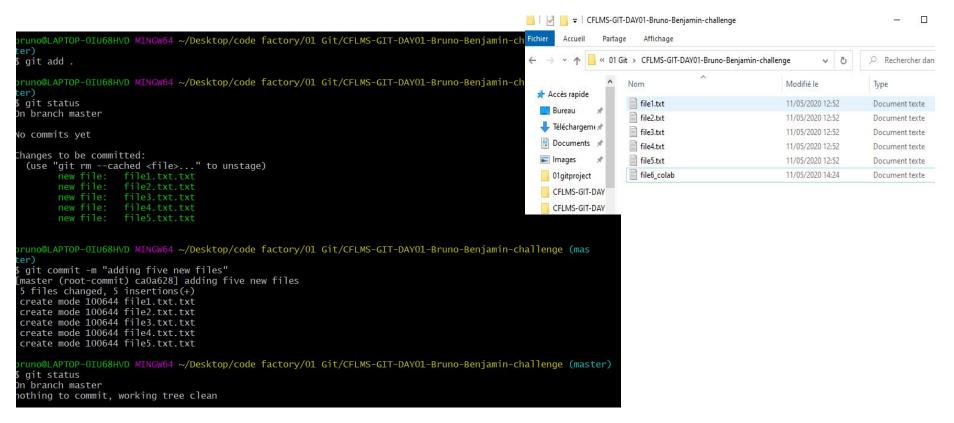


```
bruno@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Brun
o-Benjamin-challenge
$ git config --global user.name "brunomairey"

bruno@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Bruno-
Benjamin-challenge
$ git config --global user.email bruno.mairey@yahoo.fr

bruno@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Bruno-
Benjamin-challenge
$ git init
Initialized empty Git repository in C:/Users/bruno/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Bruno-Benjamin-challenge/.git/
```

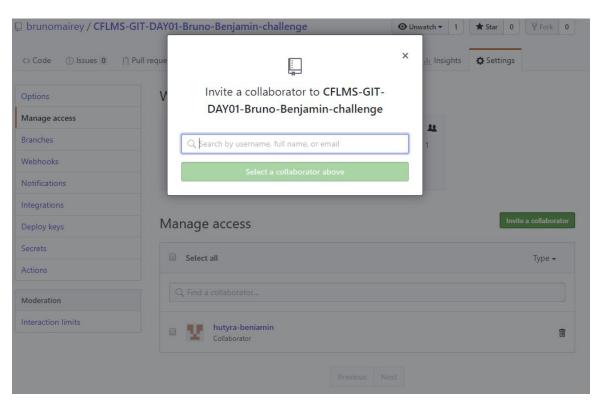
Add new files on git



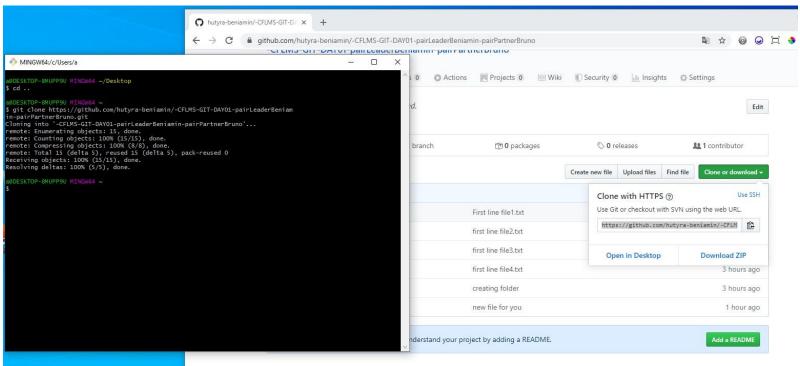
Create a repository on github

runo@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Bruno-Benjamin-challenge (master) git remote add origin https://github.com/brunomairey/CFLMS-GIT-DAY01-Bruno-Benjamin-challenge.git runo@LAPTOP-0IU68HVD_MINGW64 ~/Desktop/code_factory/01_Git/CFLMS-GIT-DAY01-Bruno-Benjamin-challenge_(master) git push -u origin master Enumerating objects: 7, done. Counting objects: 100% (7/7), done. Delta compression using up to 8 threads Compressing objects: 100% (2/2), done. Writing objects: 100% (7/7), 437 bytes | 218.00 KiB/s, done. Total 7 (delta 0), reused 0 (delta 0), pack-reused 0 To https://github.com/brunomairey/CFLMS-GIT-DAY01-Bruno-Ben<u>jamin-challenge.git</u> [new branch] master -> master brunomairey / CFLMS-GIT-DAY01-Bruno-Benjamin-challenge Branch 'master' set up to track remote branch 'master' from 'origin'. runo@LAPTOP-0IU68HVD MINGw64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Bruno-Benjamin-c ♦ Code ① Issues 0 ② Pull requests 0 ② Actions ☐ Projects 0 ☐ Wiki ⑥ Security 0 ☐ Insights ☼ Settings git status On branch master Your branch is up to date with 'origin/master'. No description, website, or topics provided. Edit Manage topics nothing to commit, working tree clean 1 contributor -o- 2 commits ₽ 1 branch 1 0 packages 0 releases New pull request Create new file Upload files Find file Branch: master ▼ W hutyra-beniamin new file Latest commit 421d800 26 minutes ago file1.txt.txt adding five new files 34 minutes ago file2.txt.txt adding five new files 34 minutes ago file3.txt.txt 34 minutes ago adding five new files file4.txt.txt adding five new files 34 minutes ago file5.txt.txt adding five new files 34 minutes ago file6 colab.txt new file 26 minutes ago

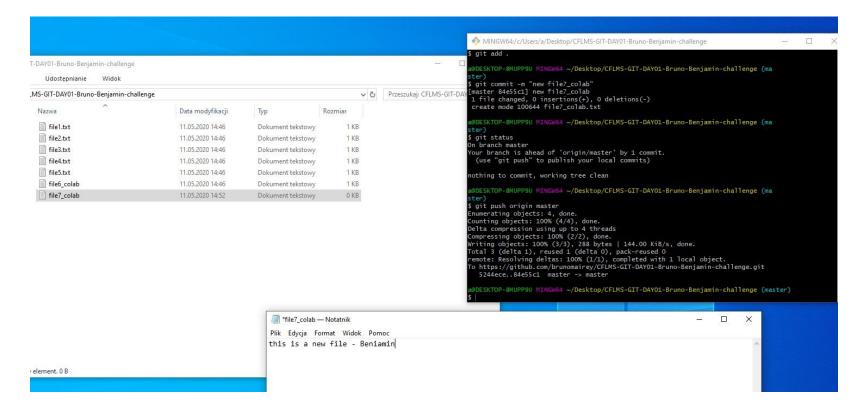
Send the repository on github to the partner



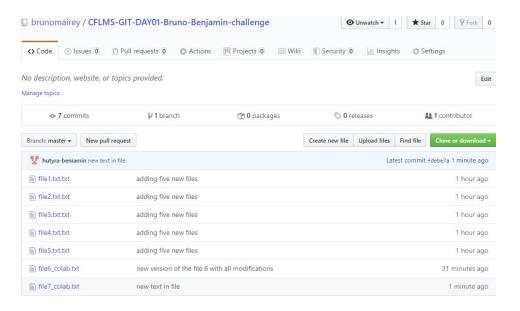
Download the repository on github by the partner



Create a new file by the partner



The leader checks the Github repository



The leader is downloading the file to his local repository

```
pruno@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Bruno-Benjamin-challenge (master)
git pull origin master
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (1/1), done.
remote: Total 3 (delta 1), reused 3 (delta 1), pack-reused 0
Unpacking objects: 100% (3/3), 263 bytes | 11.00 KiB/s, done.
From https://github.com/brunomairey/CFLMS-GIT-DAY01-Bruno-Benjamin-challenge
* branch
                    master -> FETCH HEAD
  ca0a628..421d800 master
                               -> origin/master
Jpdating ca0a628..421d800
ast-forward
file6_colab.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 file6_colab.txt
```

Create a conflict in the same file

Bruno's Version



Beniamin's Version



Pushing the same file at different time

without checking
Beniamin's Version

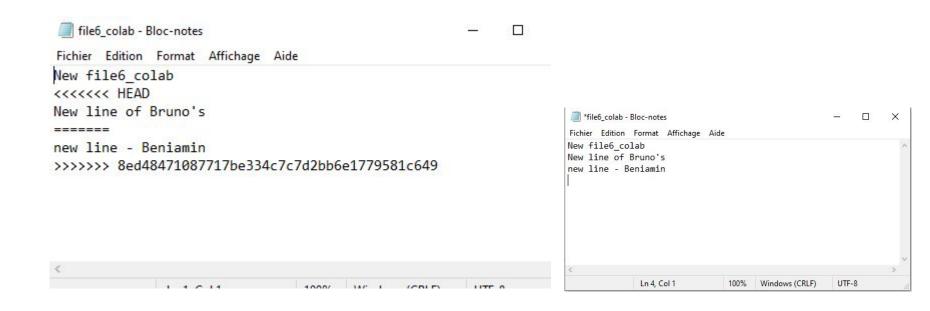
```
MINGW64:/c/Users/a/Desktop/CFLMS-GIT-DAY01-Mairev-Hutvra-local
                                                                          - n x
 DESKTOP-8MUPP9U MINGW64 ~/Desktop/CFLMS-GIT-DAY01-Mairey-Hutyra-local (master
git commit -m "new text in file6_colab"
master 8ed4847] new text in file6_colab
1 file changed, 1 insertion(+)
 DESKTOP-8MUPP9U MINGW64 -/Desktop/CFLMS-GIT-DAY01-Mairey-Hutyra-local (master)
n branch master
our branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
othing to commit, working tree clean
 DESKTOP-8MUPP9U MINGW64 ~/Desktop/CFLMS-GIT-DAY01-Mairey-Hutyra-local (master)
git push origin master
numerating objects: 5, done.
ounting objects: 100% (5/5), done.
elta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 304 bytes | 152.00 KiB/s, done.
otal 3 (delta 1), reused 0 (delta 0), pack-reused 0
emote: Resolving deltas: 100% (1/1), completed with 1 local object.
https://github.com/brunomairey/CFLMS-GIT-DAY01-Mairey-Hutyra-local.git
 cc52e04..8ed4847 master -> master
 DESKTOP-8MUPP9U MINGW64 ~/Desktop/CFLMS-GIT-DAY01-Mairey-Hutyra-local (master)
```

Bruno's Version

Solving the conflict's issue: pull the file.

```
uno@LAPTOP-0IU68HVD MINGw64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey
Hutvra-local (master)
 git add .
 runo@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey
Hutvra-local (master)
git commit -m "New Versions"
master deec1f9] New Versions
1 file changed, 1 insertion(+)
 runo@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey
 Hutyra-local (master)
 git push
To https://github.com/brunomairey/CFLMS-GIT-DAY01-Mairey-Hutyra-local.git
                    master -> master (non-fast-forward)
 int: Updates were rejected because the tip of your current branch is behind
 int: its remote counterpart. Integrate the remote changes (e.g.
 int: 'git pull ...') before pushing again.
int: See the 'Note about fast-forwards' in 'git push --help' for details.
 runo@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey
 Hutyra-local (master)
 git push origin master
o https://github.com/brunomairey/CFLMS-GIT-DAY01-Mairey-Hutyra-local.git
                    master -> master (non-fast-forward)
int: Updates were rejected because the tip of your current branch is behind
 int: its remote counterpart. Integrate the remote changes (e.g.
int: 'git pull ...') before pushing again.
 int: See the 'Note about fast-forwards' in 'git push --help' for details.
 runo@LAPTOP-0IU68HVD MINGw64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey
 Hutvra-local (master)
git pull origin master
rom https://github.com/brunomairey/CFLMS-GIT-DAY01-Mairey-Hutyra-local
                              -> FETCH HEAD
uto-merging file6 colab.txt
CONFLICT (content): Merge conflict in file6_colab.txt
utomatic merge failed; fix conflicts and then commit the result.
```

Solving the conflict's issue: modify hte file to contain both version



Solving the conflict's issue: push the new version of the file to the repository

```
runo@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey-Hutyra-local (master MERGING)
 git add .
 runo@LAPTOP-OIU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey-Hutyra-local (master|MERGING)
 git status
On branch master
Your branch and 'origin/master' have diverged,
and have 3 and 1 different commits each, respectively.
 (use "git pull" to merge the remote branch into yours)
All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)
Changes to be committed:
       modified: file6 colab.txt
 runo@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey-Hutyra-local (master|MERGING)
 git commit -m "new version of file 6"
[master 410108b] new version of file 6
 runo@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey-Hutyra-local (master)
 git push origin master
Enumerating objects: 19, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (11/11), 1.12 KiB | 382.00 KiB/s, done.
Total 11 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To https://github.com/brunomairey/CFLMS-GIT-DAY01-Mairey-Hutyra-local.git
  8ed4847..410108b master -> master
 runo@LAPTOP-0IU68HVD MINGW64 ~/Desktop/code factory/01 Git/CFLMS-GIT-DAY01-Mairey-Hutyra-local (master)
```