

Practice with this exercise. Add screenshots in every point. You can use “Recortes” app to make screenshots and paste them in the gaps.

1. GIT BASH WINDOWS. Initialize a repository named “March”

Initialize the repository

```
C:\Users\Alumno>cd desktop
C:\Users\Alumno\Desktop>mkdir March
C:\Users\Alumno\Desktop>cd march
C:\Users\Alumno\Desktop\March>git init
Initialized empty Git repository in C:/Users/Alumno/Desktop/March/.git/
```

configure the repository with your username and email.

```
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ git config user.name juannpg-bilingue

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ git config user.email juanpasamargutierrez@gmail.com
```

Create the file "yournameLastname1.txt" with content "Your name"

```
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ echo "juan" >> pasamar1.txt
```

Confirm the changes with the message "Name created"

```
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    pasamar1.txt

nothing added to commit but untracked files present (use "git add" to track)
g
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ git add .
warning: in the working copy of 'pasamar1.txt', LF will be replaced by CRLF the next time Git touches it
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ git commit -m "name created"
[master (root-commit) 3827a24] name created
1 file changed, 1 insertion(+)
create mode 100644 pasamar1.txt
```

Add the first surname and confirm the changes with the message "Added surname1"

```
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ ls
pasamar1gutierrez.txt

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    deleted:    pasamar1.txt


Untracked files:
  (use "git add <file>..." to include in what will be committed)
    pasamar1gutierrez.txt

no changes added to commit (use "git add" and/or "git commit -a")
gi
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ git add .
warning: in the working copy of 'pasamar1gutierrez.txt', LF will be replaced by CRLF the next time Git touches it

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (master)
$ git commit -m "added surname"
[master dcd2352] added surname
1 file changed, 0 insertions(+), 0 deletions(-)
rename pasamar1.txt => pasamar1gutierrez.txt (100%)
```

Add a repository on Github. Add a connection from your local repository to your remote repository.

Push to your remote repository.

 **March** Private

main

juannpg-enlaces added surname dcd2352 · 4 minutes ago

pasamar1gutierrez.txt added surname

MINGW64:/c/Users/Alumno/desktop/march

```
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ git remote add origin https://github.com/juannpg-enlaces/March.git

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ git push -u origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (5/5), 417 bytes | 417.00 KiB/s, done.
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/juannpg-enlaces/March.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$
```

2. Delete the last commit and add two last names

```
# Delete the last commit
clear
git revert dcd2352cc54b774908268316b9b1d7b64bd6476e
git log

# Add two last names
# Confirm changes with the message "Last names added"
```

```
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ echo "pasamargutierrez" >> pasamargutierrez.txt

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ git add . | git commit -m "last names added" | git push
warning: in the working copy of 'pasamargutierrez.txt', LF will be replaced by CRLF the next time Git touches it
fatal: Unable to create 'C:/Users/Alumno/Desktop/March/.git/index.lock': File exists.

Another git process seems to be running in this repository, e.g.
an editor opened by 'git commit'. Please make sure all processes
are terminated then try again. If it still fails, a git process
may have crashed in this repository earlier:
remove the file manually to continue.
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (2/2), 278 bytes | 278.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/juannpg-enlaces/March.git
 dcd2352..df67d7f  main -> main

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$
```

View the log on a single line

```
Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ git log --oneline
df67d7f (HEAD -> main, origin/main) Revert "added surname"
dcd2352 added surname
3827a24 name created
```

3. Create a branch "featureYourFirstNameLastName1" and switch to it

```
# Create and switch to the new branch in one command
# Add the date of birth to the file
```

```
MINGW64:/c/Users/Alumno/desktop/march

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ git switch -c featureJuanPasamar
Switched to a new branch 'featureJuanPasamar'

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (featureJuanPasamar)
$ echo "06/07/2006" >> pasamargutierrez.txt
```

Confirm changes with the message "date of birth added"

```

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (featureJuanPasamar)
$ git status
On branch featureJuanPasamar
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   pasamargutierrez.txt

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (featureJuanPasamar)
$ git add .

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (featureJuanPasamar)
$ git commit -m "date of birth added"
[featureJuanPasamar 68d98e9] date of birth added
 1 file changed, 2 insertions(+)
 create mode 100644 pasamargutierrez.txt

```

4. Switch to the main branch and enter the city you live in

```

# Switch to the main branch
# Add the city to the file

```

```

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (featureJuanPasamar)
$ git switch main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ echo "zaragoza" >> pasamargutierrez.txt

```

```

# Confirm changes

```

```

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (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:   pasamargutierrez.txt

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ git add .

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ git commit -m "city added"
[main b23748f] city added
 1 file changed, 1 insertion(+)
 create mode 100644 pasamargutierrez.txt

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$

```

5. Merge the "featureYourFirstNameLastName1" branch to master/main locally and delete the "featureYourFirstNameLastName1" branch.

```

# Merge the featureYourFirstNameLastName1 branch with the
master/main branch

```

```

214 git merge featureJuanPasamar
215 git commit -m "merge conflict resolved"
216 git status
217 git add .
218 git commit -m "merge conflict resolved"
219 git push
220 history

```

```

# Delete the "featureYourFirstNameLastName1" branch

```

```

Alumno@DESKTOP-4225ECB MINGW64 ~/desktop/march (main)
$ git branch -D featureJuanPasamar
Deleted branch featureJuanPasamar (was 3a17632).

```