

**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

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment (main)
$ mkdir March

Alumno@DESKTOP-4225ECB MINGW64 /d/deployment (main)
$ cd March/

Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: Disable this message with 'git config set advice.defaultBranchName false'
Initialized empty Git repository in D:/deployment/March/.git/
```

# configure the repository with your username and email.

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (master)
$ git config user.name "iria"

Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (master)
$ git config user.email "irriachan11@gmail.com"
```

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (master)
$ git config list
```

```
user.name=iria
user.email=irriachan11@gmail.com
```

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

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (master)
$ echo "Iria Alvarez" >> iriaAlvarez.txt

Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (master)
$ cat iriaAlvarez.txt
Iria Alvarez
```

# Confirm the changes with the message "Name created"

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git add .
warning: in the working copy of 'iriaAlvarez.txt', LF will be replaced by CRLF the next time Git touches it

Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git commit -m "name created"
[main (root-commit) 31b2f17] name created
1 file changed, 1 insertion(+)
create mode 100644 iriaAlvarez.txt
```

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

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ echo "Alvarez" >> iriaAlvarez.txt

Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ cat iriaAlvarez.txt
Iria Alvarez
Alvarez
```

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git add .
warning: in the working copy of 'iriaAlvarez.txt', LF will be replaced by CRLF the next time Git touches it

Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git commit -m "added surname1"
[main 1d30bcf] added surname1
1 file changed, 1 insertion(+)
```

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

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git remote add origin https://github.com/irialvz/deployment.git
```

# Push to your remote repository.

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git push -u origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 455 bytes | 455.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/irialvz/deployment.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

## 2. Delete the last commit and add two last names

# Delete the last commit

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git reset --hard HEAD^
HEAD is now at 31b2f17 name created
```

# Add two last names

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ echo "Solis" >> iriaAlvarez.txt
```

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ echo "Carton" >> iriaAlvarez.txt
```

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ cat iriaAlvarez.txt
Iria Alvarez
Solis
Carton
```

# Confirm changes with the message "Last names added"

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git add .
warning: in the working copy of 'iriaAlvarez.txt', LF will be replaced by
CRLF the next time Git touches it

Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git commit -m "last names added"
[main a893e12] last names added
1 file changed, 2 insertions(+)
```

# View the log on a single line

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git log --oneline
a893e12 (HEAD -> main) last names added
31b2f17 name created
```

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

# Create and switch to the new branch in one command

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git checkout -b featureIriaAlvarez
Switched to a new branch 'featureIriaAlvarez'

Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (featureIriaAlvarez)
```

# Add the date of birth to the file

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (featureIriaAlvarez)
$ echo "29 January" >> iriaAlvarez.txt
```

# Confirm changes with the message "date of birth added"

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (featureIriaAlvarez)
$ git commit -m "date of birth added"
[featureIriaAlvarez 777cf59] date of birth added
1 file changed, 1 insertion(+)
```

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (featureIriaAlvarez)
$ git push --set-upstream origin featureIriaAlvarez
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 523 bytes | 523.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'featureIriaAlvarez' on GitHub by visit
ing:
remote:      https://github.com/irialvz/deployment/pull/new/featureIriaAlvare
vare
remote:
To https://github.com/irialvz/deployment.git
 * [new branch]      featureIriaAlvarez -> featureIriaAlvarez
branch 'featureIriaAlvarez' set up to track 'origin/featureIriaAlvarez'.
```

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

# Switch to the main branch

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git checkout main
```

# Add the city to the file

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ echo "Zaragoza" >> iriaAlvarez.txt
```

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ cat iriaAlvarez.txt
Iria Alvarez
Solis
Carton
Alvarez
Zaragoza
```

# Confirm changes

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git commit -m "added city"
[main ce6057a] added city
1 file changed, 1 insertion(+)
```

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

# Merge the featureYourFirstNameLastName1 branch with the master/main branch

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git merge featureIriaAlvarez
Auto-merging iriaAlvarez.txt
CONFLICT (content): Merge conflict in iriaAlvarez.txt
Automatic merge failed; fix conflicts and then commit the result.
```

we resolve the conflict  
edit the file with nano

```
GNU nano 8.5 iriaAlvarez.txt
Iria Alvarez
Solis
Carton
<<<<<<< HEAD
Alvarez
Zaragoza
=====
29 January
>>>>>>> featureIriaAlvarez
```

we delete the marks

```
GNU nano 8.5 iriaAlvarez.txt
Iria Alvarez
Solis
Carton
Alvarez
Zaragoza
29 January
```

# Delete the "featureYourFirstNameLastName1" branch

```
Alumno@DESKTOP-4225ECB MINGW64 /d/deployment/March (main)
$ git branch -D featureIriaAlvarez
Deleted branch featureIriaAlvarez (was 777cf59).
```

-D parameter to force