

## TP - 01: GIT BASICO

### Desarrollo:

#### 1- Instalar Git

Los pasos y referencias asumen el uso del sistema operativo Windows, en caso otros SO seguir recomendaciones específicas.

- Bajar e instalar el cliente git. Por ejemplo, <https://git-for-windows.github.io/>
- Bajar e instalar un cliente visual. Por ejemplo, TortoiseGit para Windows o SourceTree para Windows/MAC:
  - <https://tortoisegit.org/>
  - <https://www.sourcetreeapp.com/>
  - Lista completa: <https://git-scm.com/downloads/guis/>

#### 2- Crear un repositorio local y agregar archivos

- Crear un repositorio local en un nuevo directorio.
- Agregar un archivo Readme.md, agregar algunas líneas con texto a dicho archivo.

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>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

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

- Crear un commit y proveer un mensaje descriptivo.

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>git add .
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>git commit -m "primer commit"
[main 31a9f1c] primer commit
1 file changed, 2 insertions(+), 1 deletion(-)

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
```

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 259 bytes | 259.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/JosefinaRivero/TP01.git
37dca26..31a9f1c main -> main
```

### 3- Configuración del Editor Predeterminado

- Instalar Notepad ++ para Windows o TextMate para Mac OS, colocarle un alias y configurarlo como editor predeterminado

### 4- Creación de Repos 01 -> Crearlo en GitHub, clonarlo localmente y subir cambios

- Crear una cuenta en <https://github.com>
- Crear un nuevo repositorio en dicha página con el Readme.md por defecto
- Clonar el repo remoto en un nuevo directorio local
- Editar archivo Readme.md agregando algunas lineas de texto
- 
- Editar (o crear si no existe) el archivo .gitignore agregando los archivos \*.bak
- Crear un commit y porveer un mensaje descriptivo
- Intentar un push al repo remoto

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>notepad .gitignore
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>git add .
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>git commit -m "archivo gitignore"
[main b5f578a] archivo gitignore
2 files changed, 3 insertions(+), 1 deletion(-)
create mode 100644 .gitignore.txt
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>git push
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 318 bytes | 159.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/JosefinaRivero/TP01.git
31a9f1c..b5f578a main -> main
```

```

Enter file in which to save the key (C:\Users\oscar\.ssh/id_rsa):
C:\Users\oscar\.ssh>ssh-keygen -t rsa -b 4096 -C "2112661@ucc.edu.ar"
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\oscar\.ssh/id_rsa): josefina
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in josefina
Your public key has been saved in josefina.pub
The key fingerprint is:
SHA256:DagjHdv21TJ4S6zBwbZVeLUKyECaMfIDdtJR6cNbKx4 2112661@ucc.edu.ar
The key's randomart image is:
+---[RSA 4096]-----+
|  =.==+. . . . |
|  *.==oo . . . . |
|  .==+ .oo... . |
|  . == X +. . . |
|  . = o S @ . . |
|  . o E B +     |
|      = .       |
|      .         |
+-----[SHA256]-----+

```

- C:\Users\oscar\.ssh>\_
- En caso de ser necesario configurar las claves SSH requeridas y reintentar el push.

```
C:\Users\oscar>cd .ssh

C:\Users\oscar\.ssh>ssh-keygen -t rsa -b 4096 -C "2112661@ucc.edu.ar"
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\oscar\.ssh\id_rsa): josefina
josefina already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in josefina
Your public key has been saved in josefina.pub
The key fingerprint is:
SHA256:avm92j7CJs/MCUpT3WBacA5x0HVgmyPRo8fzqNMVQ14 2112661@ucc.edu.ar
The key's randomart image is:
+---[RSA 4096]-----+
|      =++o+..      |
|      *.oo+. E     |
|      *o++ .       |
|      =.+++.+      |
|      o S..+ o      |
|      . o . o       |
|      o =. o .      |
|      . +. **+o     |
|      . +O==o       |
+---[SHA256]-----+
```


```
C:\Users\oscar\.ssh>sc config ssh-agent start=auto
[SC] ChangeServiceConfig CORRECTO
```

```
C:\Users\oscar\.ssh>sc start ssh-agent
[SC] StartService ERROR 1056:
```

Ya se está ejecutando una instancia de este servicio.

```
C:\Users\oscar\.ssh>ssh-add C:\Users\oscar\.ssh\josefina
Enter passphrase for C:\Users\oscar\.ssh\josefina:
Identity added: C:\Users\oscar\.ssh\josefina (2112661@ucc.edu.ar)
```

```
C:\Users\oscar\.ssh>notepad C:\Users\oscar\.ssh\josefina.pub
```



**JosefinaRivero** (JosefinaRivero)  
Your personal account

Go to your personal profile

- Public profile
- Account
- Appearance
- Accessibility
- Notifications
- Access

## SSH keys

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

### Authentication keys

Key Name	Key Type	Added On	Used	Permissions	Action
clave ssh tp1	SSH	Added on Aug 15, 2024	Never used	Read/write	Delete

[New SSH key](#)

```

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\TP01>git push origin main
Everything up-to-date
    
```

## 5- Creación de Repos 02-> Crearlo localmente y subirlo a GitHub

- Crear un repo local
- Agregar archivo Readme.md con algunas lineas de texto
- Crear repo remoto en GitHub

```

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO>mkdir demo2tp01
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO>cd demo2tp01
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git init
Initialized empty Git repository in C:/Users/oscar/Desktop/INGENIERIA EN SISTEMAS/2024/SEGUNDO SEMESTRE/ing de sw 3/TP01GIT BASICO/demo2tp01/.git/
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>echo "Este es el archivo README" > README.md
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>echo ".gitignore" > .gitignore
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>notepad .gitignore
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>echo "*.log" > .gitignore
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>notepad .gitignore
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git add .
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git commit -m "Agregar README y .gitignore"
[master (root-commit) 7434d5d] Agregar README y .gitignore
2 files changed, 1 insertion(+)
create mode 100644 .gitignore
create mode 100644 README.md
    
```

- Asociar repo local con remoto

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01
GIT BASICO\demo2tp01>git remote add origin https://github.com/JosefinaRivero/tp01-02

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01
GIT BASICO\demo2tp01>git branch -M main

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01
GIT BASICO\demo2tp01>git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 307 bytes | 307.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/JosefinaRivero/tp01-02
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

- 
- Crear archivo .gitignore
- Crear un commit y proveer un mensaje descriptivo
- Subir cambios.

## 6- Ramas

- Crear una nueva rama
- Cambiarse a esa rama
- Hacer un cambio en el archivo Readme.md y hacer commit
- Revisar la diferencia entre ramas

```

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2
tp01>git branch -a
* main
  remotes/origin/main

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2
tp01>git branch newFeature

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2
tp01>git checkout newFeature
Switched to branch 'newFeature'

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2
tp01>notepad readme.md

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2
tp01>git add .

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2
tp01>git commit -m "cambios en la rama"
[newFeature af24435] cambios en la rama
1 file changed, 1 insertion(+)

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2
tp01>git diff main newFeature
diff --git a/README.md b/README.md
index 167f063..a0119f7 100644
--- a/README.md
+++ b/README.md
@@ -1,2 @@
 "Este es el archivo README"
+cambios con la rama newFeature

```

## 7- Merges

- Hacer un merge FF
- Borrar la rama creada
- Ver el log de commits

```

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git merge newFeature
Updating 7434d5d..af24435
Fast-forward
 README.md | 1 +
1 file changed, 1 insertion(+)

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git push origin main
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), 349 bytes | 349.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/JosefinaRivero/tp01-02
7434d5d..af24435 main -> main

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git branch -d newFeature
Deleted branch newFeature (was af24435).

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git log --oneline
af24435 (HEAD -> main, origin/main) cambios en la rama
7434d5d Agregar README y .gitignore

```

- Repetir el ejercicio 6 para poder hacer un merge con No-FF

## INGENIERIA DE SOFTWARE III- RIVERO BOSCH JOSEFINA

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git checkout -b newFeature2
Switched to a new branch 'newFeature2'

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>echo "cambio en main" > readme.md

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git add .

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git commit -m "cambio en rama main"
[main 5f1b091] cambio en rama main
 1 file changed, 1 insertion(+), 2 deletions(-)

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git checkout newFeature2
Switched to branch 'newFeature2'

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>echo "cambio en newFeature2" > readme.md

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git add .

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git commit -m "cambio en newFeature2"
[newFeature2 95a4d40] cambio en newFeature2
 1 file changed, 1 insertion(+), 2 deletions(-)

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git diff main newFeature2
diff --git a/README.md b/README.md
index 760ccc3..8ad0b18 100644
--- a/README.md
+++ b/README.md
@@ -1,1 @@
- "cambio en main"
+ "cambio en newFeature2"

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git merge newFeature2 --no-ff -m "merge con no ff"
Already up to date.

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git branch -d newFeature2
Deleted branch newFeature2 (was 95a4d40).

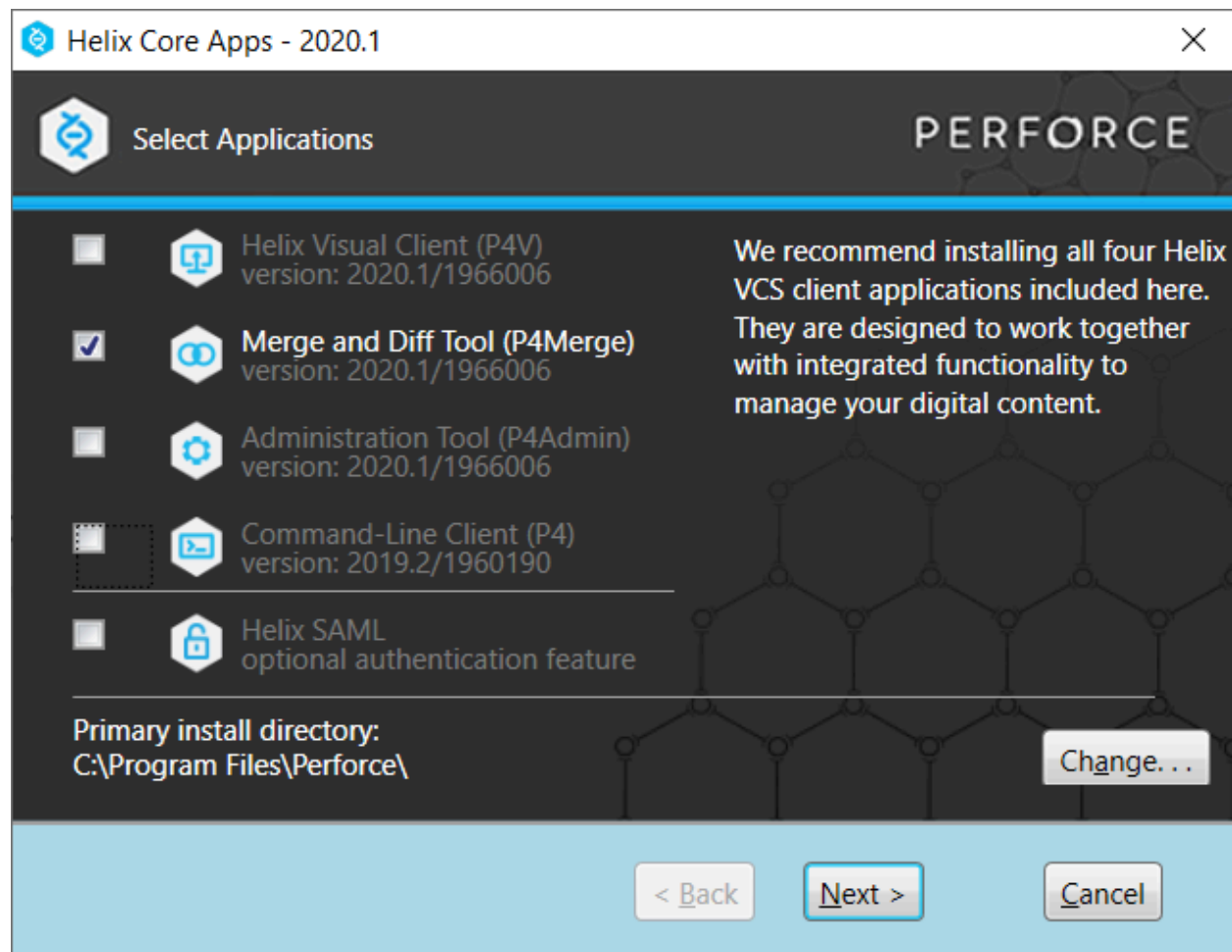
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git log --oneline --graph --decorate
* 4baa4d5 (HEAD -> main) conflicto resuelto del readme
* 95a4d40 cambio en newFeature2
* dcdaf82 (newFeature2) cambios en la rama
* 5f1b091 cambio en rama main
* af24435 (origin/main) cambios en la rama
* 7434d5d Agregar README y .gitignore
```

## 8- Resolución de Conflictos

- Instalar alguna herramienta de comparación. Idealmente una 3-Way:



- P4Merge <https://www.perforce.com/downloads/helix-visual-client-p4v>:



- Se puede omitir registraci3n. Instalar solo opci3n Merge and DiffTool.
- BeyondCompare trial version <https://www.scootersoftware.com/download.php>
  - Configurar Tortoise/SourceTree para soportar esta herramienta.
  - [https://www.scootersoftware.com/support.php?zz=kb\\_vcs](https://www.scootersoftware.com/support.php?zz=kb_vcs)
  - <https://medium.com/@robinvanderknaap/using-p4merge-with-tortoisegit-87c1714eb5e2>
- Crear una nueva rama conflictBranch
- Realizar una modificaci3n en la lnea 1 del Readme.md desde main y commitear
- En la conflictBranch modificar la misma lnea del Readme.md y commitear

## INGENIERIA DE SOFTWARE III- RIVERO BOSCH JOSEFINA

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git checkout -b conflictBranch
Switched to a new branch 'conflictBranch'

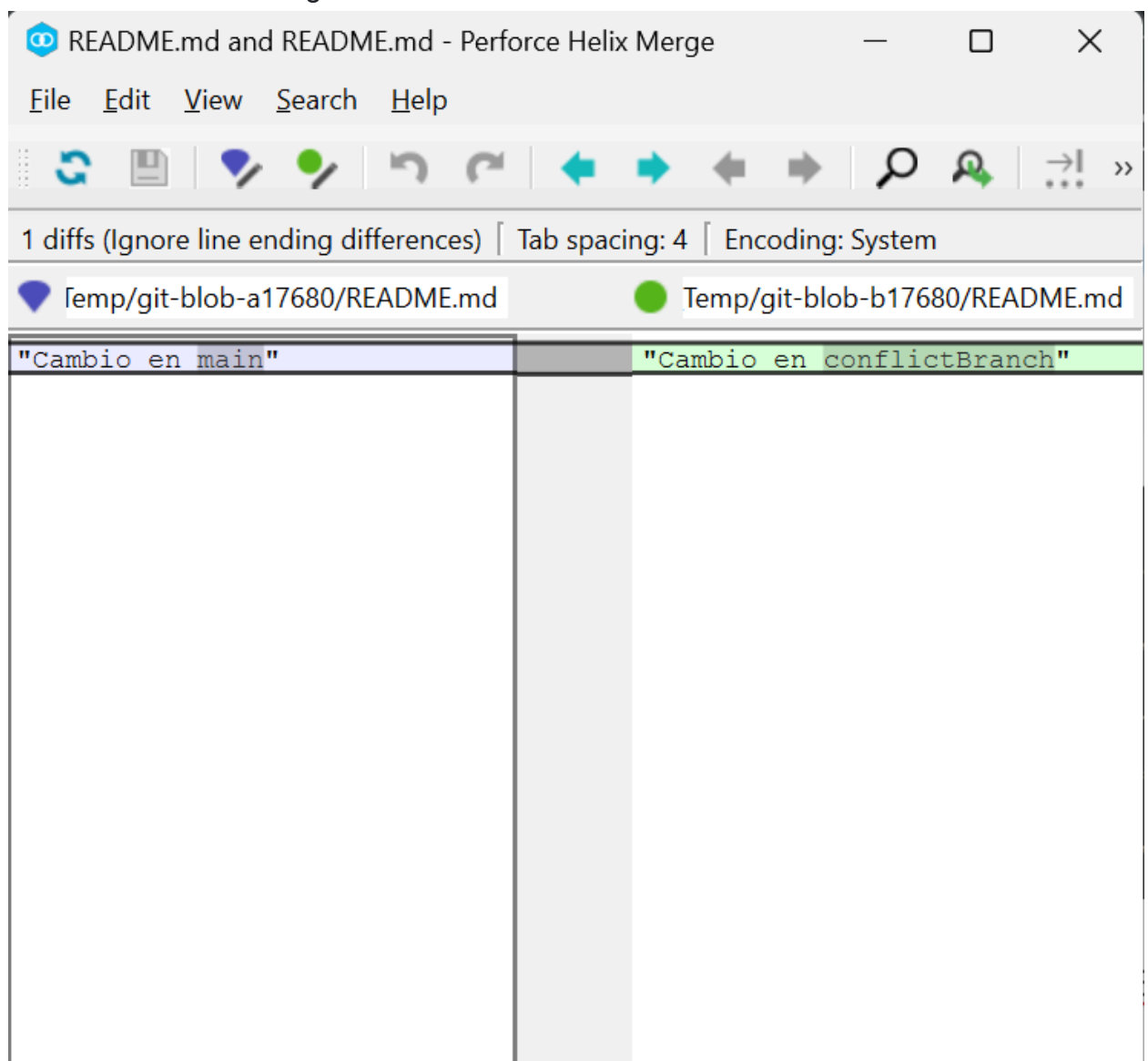
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 4 commits.
(use "git push" to publish your local commits)

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>echo "Cambio en main" > README.md
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git add README.md
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git commit -m "Cambio en línea 1 de README.md en main"
[main 6a96a7d] Cambio en línea 1 de README.md en main
1 file changed, 1 insertion(+), 4 deletions(-)

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git checkout conflictBranch
Switched to branch 'conflictBranch'

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>echo "Cambio en conflictBranch" > README.md
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git add README.md
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git commit -m "Cambio en línea 1 de README.md en conflictBranch"
[conflictBranch 344eda7] Cambio en línea 1 de README.md en conflictBranch
1 file changed, 1 insertion(+), 4 deletions(-)
```

- 
- Ver las diferencias con git diff tool main conflictBranch



- 
- Cambiarse a la rama main e intentar mergear con la rama conflictBranch

- Resolver el conflicto con git mergetool

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git merge conflictBranch
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git status
On branch main
Your branch is ahead of 'origin/main' by 5 commits.
  (use "git push" to publish your local commits)

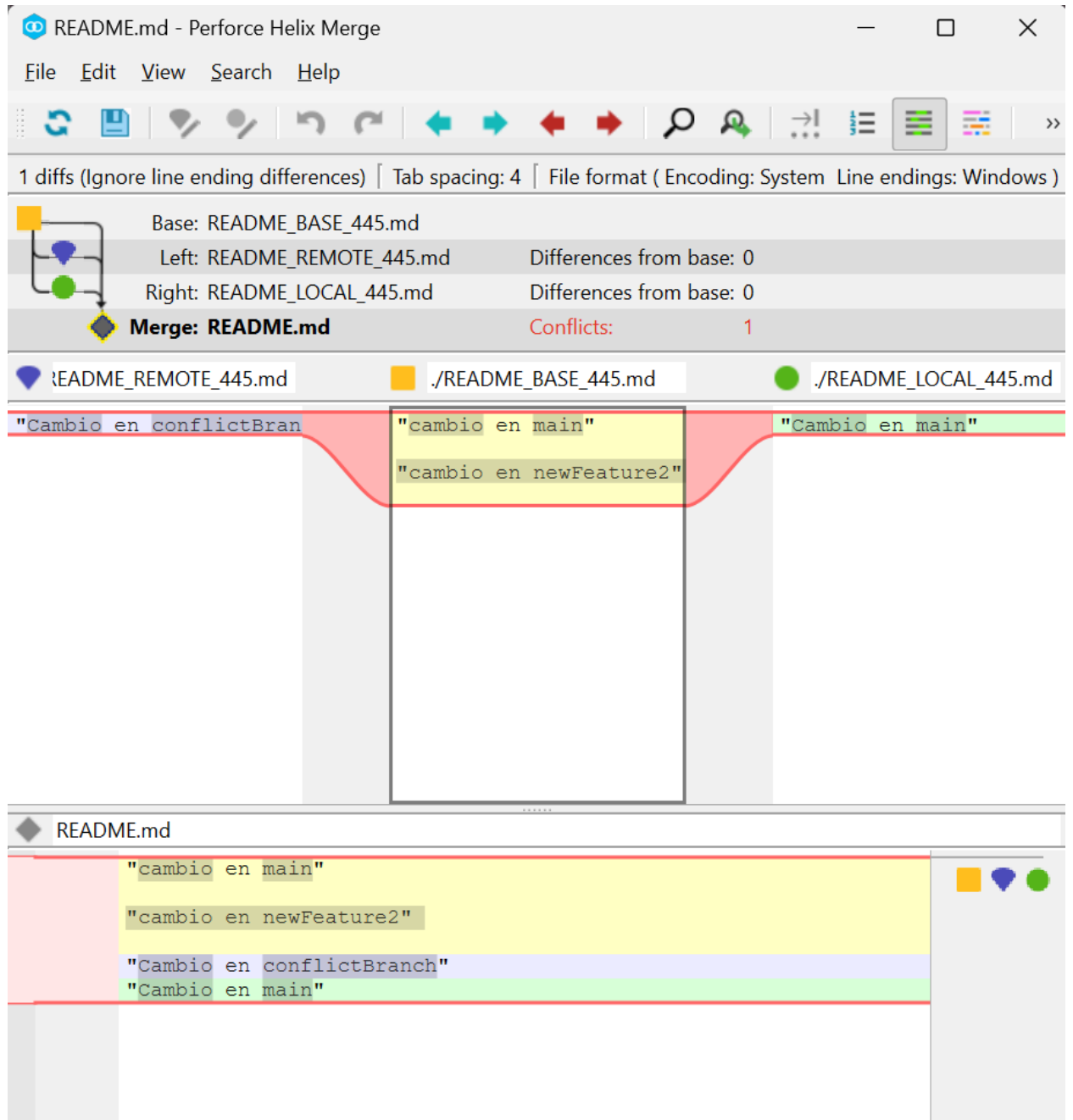
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   README.md

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

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git mergetool
Merging:
README.md

Normal merge conflict for 'README.md':
  {local}: modified file
  {remote}: modified file
```



- 
- Agregar .orig al .gitignore
- Hacer commit y push

## INGENIERIA DE SOFTWARE III- RIVERO BOSCH JOSEFINA

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>echo "*.orig" >> .gitignore
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git add .gitignore
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git commit -m "Agregar .orig al .gitignore"
[main 50aca33] Agregar .orig al .gitignore
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git add README.md
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git commit -m "Conflicto resuelto en README.md"
On branch main
Your branch is ahead of 'origin/main' by 7 commits.
  (use "git push" to publish your local commits)

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

nothing added to commit but untracked files present (use "git add" to track)

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git push origin main
Enumerating objects: 25, done.
Counting objects: 100% (25/25), done.
Delta compression using up to 8 threads
Compressing objects: 100% (16/16), done.
Writing objects: 100% (22/22), 1.95 KiB | 400.00 KiB/s, done.
Total 22 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
To https://github.com/JosefinaRivero/tp01-02
   af24435..50aca33  main -> main
```

### 9- Familiarizarse con el concepto de Pull Request

- Explicar que es un pull request.
- Crear un branch local y agregar cambios a dicho branch.
- Subir el cambio a dicho branch y crear un pull request.

```
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git branch pullReqBranch
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git checkout pullReqBranch
Switched to branch 'pullReqBranch'

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>echo "Este es un archivo nuevo para el PR" > nuevo_archivo.txt
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git add nuevo_archivo.txt
C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git commit -m "Agrega nuevo archivo para el PR"
[pullReqBranch 7f6e772] Agrega nuevo archivo para el PR
 1 file changed, 1 insertion(+)
   create mode 100644 nuevo_archivo.txt

C:\Users\oscar\Desktop\INGENIERIA EN SISTEMAS\2024\SEGUNDO SEMESTRE\ing de sw 3\TP01GIT BASICO\demo2tp01>git push origin pullReqBranch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 381 bytes | 381.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'pullReqBranch' on GitHub by visiting:
remote:   https://github.com/JosefinaRivero/tp01-02/pull/new/pullReqBranch
remote:
To https://github.com/JosefinaRivero/tp01-02
 * [new branch]      pullReqBranch -> pullReqBranch
```


- Completar el proceso de revisión en github y mergear el PR al branch master.

[Code](#)
[Issues](#)
[Pull requests](#)
[Actions](#)
[Projects](#)
[Wiki](#)
[Security](#)
[Insights](#)
[Settings](#)

## Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#). [Learn more about diff com](#)

base: main
compare: pullReqBranch
✓ Able to merge. These branches can be automatically merged.


**Add a title**

Agrega nuevo archivo para el PR


**Add a description**

Write

Preview


H B I ≡ <> 🔗

Add your description here...



Open


PR #1

JosefinaRivero wants to merge 1 commit into main from pullReqBranch


Agrega nuevo archivo para el PR

7f6e772





**Require approval from specific reviewers before merging**


[Rulesets](#) ensure specific people approve pull requests before they're merged.

Add rule

×


**Continuous integration has not been set up**


[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.



**This branch has no conflicts with the base branch**

Merging can be performed automatically.


Merge pull request

You can also [open this in GitHub Desktop](#) or view [command line instructions](#).


**Add a comment**


JosefinaRivero merged commit **190830a** into main now


Revert



**Pull request successfully merged and closed**

You're all set—the pullReqBranch branch can be safely deleted.

Delete branch


**Add a comment**

## 10- Algunos ejercicios online

- Entrar a la página <https://learnitbranching.js.org/>
- Completar los ejercicios Introduction Sequence

- Opcional - Completar el resto de los ejercicios para ser un experto en Git!!!

### **11- Crear Repositorio de la materia**

- Crear un repositorio para la materia en github. Por ejemplo ing-software-3
- Subir archivo(s) .md con los resultados e imágenes de este trabajo práctico.  
Puede ser en una subcarpeta trabajo-practico-01

## **Referencias**

- <https://try.github.io/>
- [https://github.github.com/training-kit/downloads/es\\_ES/github-git-cheat-sheet.pdf](https://github.github.com/training-kit/downloads/es_ES/github-git-cheat-sheet.pdf)
- <https://github.com/adam-p/markdown-here/wiki/Markdown-Cheatsheet>