TP 1 - GITHUB

- **Crear un repo en Github y clonarlo localmente**
  - ☐ Crear un nuevo repositorio en dicha pagina con el readme.md por defecto

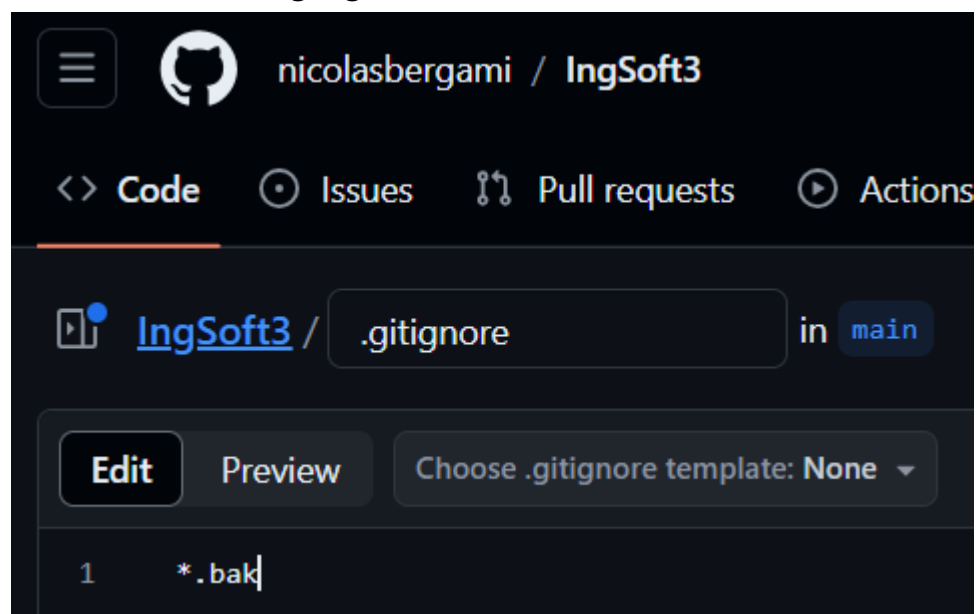

  - ☐ Clonar el repo remoto en un nuevo directorio local

☐ Editar archivo readme.md, agregar algunas líneas de texto

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3>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")

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3>
```

☐ Crear archivo .gitignore

☐ Crear un commit y proveer un mensaje descriptivo.

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3>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")

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3>git add .

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3>git commit -m "primer commit realizado"
[main fbc2a2f] primer commit realizado
 1 file changed, 2 insertions(+), 1 deletion(-)

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3>
```

☐ Hacer un push al repositorio remoto.

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3>git push origin main
info: please complete authentication in your browser...
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 297 bytes | 297.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/nicolasbergami/IngSoft3.git
   b23bdbd..fbc2a2f  main -> main
```

- **Crear un repo local y subirlo a github**
  - ☐ Crear un repositorio local en un nuevo directorio

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>cd demotp1

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git init
Initialized empty Git repository in C:/Users/nicol/OneDrive/Documentos/universidad/Ingsoft3/IngSoft3
/TP1/demotp1/.git/

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>
```

☐ Agregar archivo readme.md, agregar algunas lineas con
texto a dicho archivo
☐ Crear .gitignore
☐ Crear un commit y proveer un mensaje descriptivo

```
Microsoft Windows [Versión 10.0.22631.4037]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git status
On branch master

No commits yet

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

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

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>
```

☐ Asociar local con remoto:

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git remote add origin
https://github.com/nicolasbergami/IngSoft3.git

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git branch -M main
```

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git add README.md

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git add .gitignore

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git commit "asociado local a remoto"
fatal: cannot do a partial commit during a merge.

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git commit -m "asociado local a remoto"
[main 986996a] asociado local a remoto

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git pull
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

    git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

    git branch --set-upstream-to=origin/<branch> main


C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git push origin main
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 434 bytes | 434.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/nicolasbergami/IngSoft3.git
   00160ef..986996a  main -> main

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>
```

● **RAMAS**

☐ Ver ramas

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git branch -a
* main
  remotes/origin/main

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>
```

☐ Crear rama

☐ Cambiamos a la nueva rama

☐ Hacemos un cambio en un archivo, comiteamos y vemos la diferencia

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git branch nuevarama

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git checkout nuevarama
Switched to branch 'nuevarama'

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git branch -a
  main
* nuevarama
  remotes/origin/main

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git add .

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git commit -m "cambio en el branch"
On branch nuevarama
nothing to commit, working tree clean

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>git diff main nuevarama

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1\demotp1>
```

4-MERGE

☐ **FAST FORWARD MERGE**

☐ Hacemos el merge

☐ Borramos la rama y vemos el log

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git branch -a
  main
* nuevarama
  remotes/origin/HEAD -> origin/main
  remotes/origin/main

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git merge nuevarama
Already up to date.

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>
```

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git merge nuevarama
Already up to date.

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git push origin main
Everything up-to-date

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git branch -d nuevarama
Deleted branch nuevarama (was 6ae7373).

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git log --oneline
6ae7373 (HEAD -> main, origin/main, origin/HEAD) agregando pdf tp1
06adcdc cambios realizados
d2ab3bb agregando trabajo
e85d9f9 Actualizando readme
9a7f3c2 Create .gitignore
e6cf058 Create README.md
986996a asociado local a remoto
e56779c Conectado local a remoto
00160ef Create .gitignore
fbc2a2f primer commit realizado
```

No Fast forward merge

☐ Creamos nueva rama Hacemos un cambio en archivo en rama main, hacemos commit Modificamos un archivo y hacemos commit Vemos la diferencia entre ramas

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git branch nuevarama2

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git branch -a
* main
  nuevarama2
  remotes/origin/HEAD -> origin/main
  remotes/origin/main

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>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")

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git add .

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git commit -m "modificando rama main"
[main 9636692] modificando rama main
 1 file changed, 1 insertion(+), 2 deletions(-)
```

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git diff main nuevarama2
diff --git a/TP1/README.md b/TP1/README.md
index 204dd42..2050adf 100644
--- a/TP1/README.md
+++ b/TP1/README.md
@@ -1,2 +1,3 @@
-Modificando readme rama main
+llenando readme
+
 Nicolas Bergami
```

☐ Hacemos el merge
☐ borramos la rama y hacemos el log

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git merge nuevarama2 --no-ff -m "merge con no ff"
Already up to date.

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git branch -d nuevarama2
Deleted branch nuevarama2 (was 6ae7373).

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git log --oneline --graph --decorate
* 9636692 (HEAD -> main) modificando rama main
* 6ae7373 (origin/main, origin/HEAD) agregando pdf tp1
*   06adcdc cambios realizados
|\
| * e85d9f9 Actualizando readme
| * 9a7f3c2 Create .gitignore
| * e6cf058 Create README.md
| *   986996a asociado local a remoto
| |\
| * | e56779c Conectado local a remoto
| |/
* / d2ab3bb agregando trabajo
|/
* 00160ef Create .gitignore
* fbc2a2f primer commit realizado
* b23bdbd Initial commit
```

5-RESOLUCIÓN DE CONFLICTOS

```
C:\Windows\System32\cmd.e   ×   +   ∨

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git checkout -b conflictBranch
Switched to a new branch 'conflictBranch'

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>checkout main
"checkout" no se reconoce como un comando interno o externo,
programa o archivo por lotes ejecutable.

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>echo "Modificacion en main" > Readme.md

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git add Readme.md

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>
```

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git commit -m "modificacion en la linea 1 desde main"
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

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")

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git checkout conflictBranch
M       TP1/README.md
Switched to branch 'conflictBranch'

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>echo "Modificacion en conflictBranch" > Readme.md

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git add Readme.md
```

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git commit -m "Modificacion en la linea 1 desde confl
ictBranch"
On branch conflictBranch
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")

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git difftool main conflictBranch

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git checkout mian
error: pathspec 'mian' did not match any file(s) known to git

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git checkout main
M       TP1/README.md
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git merge conflictBranch
Already up to date.
```

Base: README_BASE_262.md		
Left: README_REMOTE_262.md	Differences from base: 0	
Right: README_LOCAL_262.md	Differences from base: 0	
Merge: **README.md**	Conflicts: 1	

p1/README_REMOTE_262.md	./demotp1/README_BASE_262.md	./demotp1/README_LOC
n la rama conflictBranch"	modificando readme rama main	"Cambio en la rama mai

```
E.md
modificando readme rama main
"Cambio en la rama conflictBranch"
"Cambio en la rama main"
```

6-Pull Request

```
C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git checkout -b pruebapull
Switched to a new branch 'pruebapull'

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git add .

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git commit -m "prueba de pull "
[pruebapull 0ccba21] prueba de pull
 9 files changed, 22 insertions(+)
 create mode 100644 TP1/README_BACKUP_1294.md
 create mode 100644 TP1/README_BACKUP_1607.md
 create mode 100644 TP1/README_BASE_1294.md
 create mode 100644 TP1/README_BASE_1607.md
 create mode 100644 TP1/README_LOCAL_1294.md
 create mode 100644 TP1/README_LOCAL_1607.md
 create mode 100644 TP1/README_REMOTE_1294.md
 create mode 100644 TP1/README_REMOTE_1607.md

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>git push origin pruebapull
Enumerating objects: 16, done.
Counting objects: 100% (16/16), done.
Delta compression using up to 16 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (13/13), 1.40 KiB | 718.00 KiB/s, done.
Total 13 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'pruebapull' on GitHub by visiting:
remote:      https://github.com/nicolasbergami/IngSoft3/pull/new/pruebapull
remote:
To https://github.com/nicolasbergami/IngSoft3.git
 * [new branch]      pruebapull -> pruebapull

C:\Users\nicol\OneDrive\Documentos\universidad\Ingsoft3\IngSoft3\TP1>
```

IngSoft3 Public   Pin   Unwatch 1

pruebapull had recent pushes 1 minute ago   Compare & pull request

main   2 Branches   0 Tags   Go to file   t   Add file   <> Code

nicolasbergami agregando pdf tp1   6ae7373 · 20 hours ago   11 Commits

TP1   agregando pdf tp1   20 hours ago

.gitignore   Create .gitignore   yesterday