

UNIVERSIDAD DE NARIÑO
FACULTAD DE INGENIERÍA
PROGRAMA DE INGENIERÍA DE SISTEMAS
DIPLOMADO DE ACTUALIZACIÓN EN NUEVAS TECNOLOGÍAS PARA EL
DESARROLLO DE SOFTWARE
VICENTE AUX REVELO

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Taller Unidad 1 GIT.

1. Crear un repositorio local en su sistema de archivos con el proyecto de ejemplo Taller0003Git proporcionado en clase, el cual contiene el código de una “Calculadora” desarrollada en JavaScript, una vez creado el repositorio crear un Commit inicial.

```
MINGW64:/c:/Users/YASMANI/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git

YASMANI@YASMANI MINGW64 ~
$ pwd
/c:/Users/YASMANI

YASMANI@YASMANI MINGW64 ~
$ cd Desktop/Diplomado/Modulo\ 1/Unidad\ 1/

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1
$ git init Taller0003Git
Initialized empty Git repository in C:/Users/YASMANI/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git/.git/

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1
$ ls
Backend/      Taller0003Git/  Taller01/
'Comandos Git.txt'  Taller002Git/  Universidad_de_Nariño_Taller_GIT.pdf
'Guia GIT.pdf'     Taller003Git/
Notas.txt        Taller004Git/

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1
$ cd Taller0003Git/

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ ls
LICENSE  README.md  css/  index.html  js/

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    LICENSE
    README.md
    css/
    index.html
    js/

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

```

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git add .
warning: in the working copy of 'LICENSE', LF will be replaced by CRLF the next time G
it touches it
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time
Git touches it
warning: in the working copy of 'css/style.css', LF will be replaced by CRLF the next
time Git touches it
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next tim
e Git touches it
warning: in the working copy of 'js/script.js', LF will be replaced by CRLF the next t
ime Git touches it

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   LICENSE
        new file:   README.md
        new file:   css/style.css
        new file:   index.html
        new file:   js/script.js

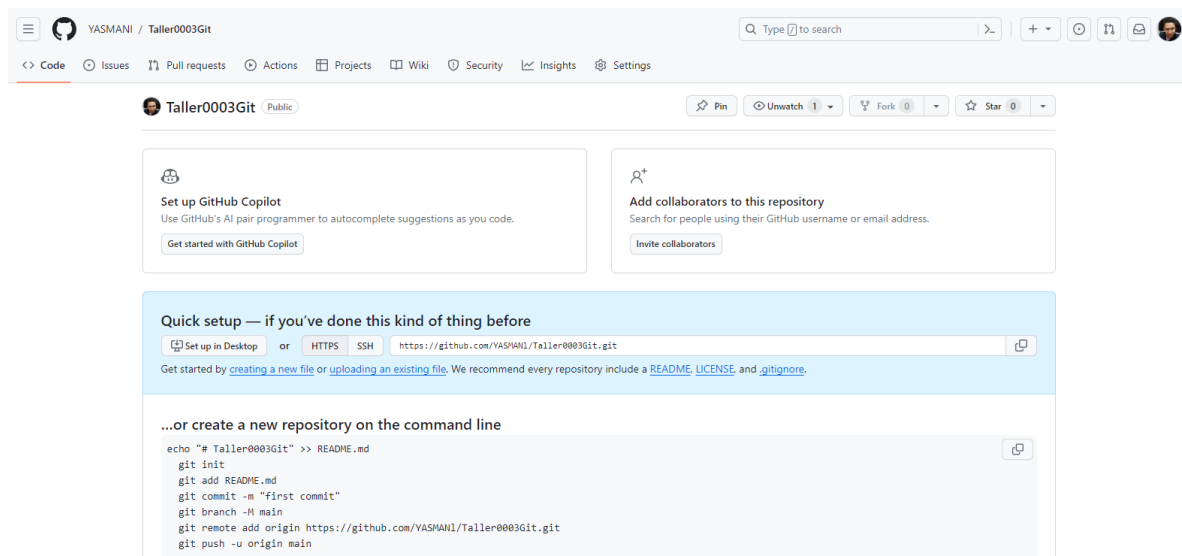
```

```

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git commit -m "Primer Commit Taller0003 Calculadora"
[main (root-commit) 21b2a74] Primer Commit Taller0003 Calculadora
 5 files changed, 255 insertions(+)
 create mode 100644 LICENSE
 create mode 100644 README.md
 create mode 100644 css/style.css
 create mode 100644 index.html
 create mode 100644 js/script.js

```

2. Crear un repositorio remoto en GitHub con el mismo nombre del repositorio local es decir “Taller0003Git”, enviar el avance del repositorio local al remoto.



The screenshot shows the GitHub web interface for a repository named 'Taller0003Git' by user 'YASMANI'. The repository is public and has 0 stars and 0 forks. The page includes a navigation bar with links to Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below the repository name, there are buttons for 'Set up GitHub Copilot', 'Add collaborators to this repository', and 'Quick setup'. The 'Quick setup' section provides instructions for cloning the repository using HTTPS or SSH, and a command line setup for creating a new repository. The command line setup includes the following commands:

```

echo "# Taller0003Git" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/YASMANI/Taller0003Git.git
git push -u origin main

```

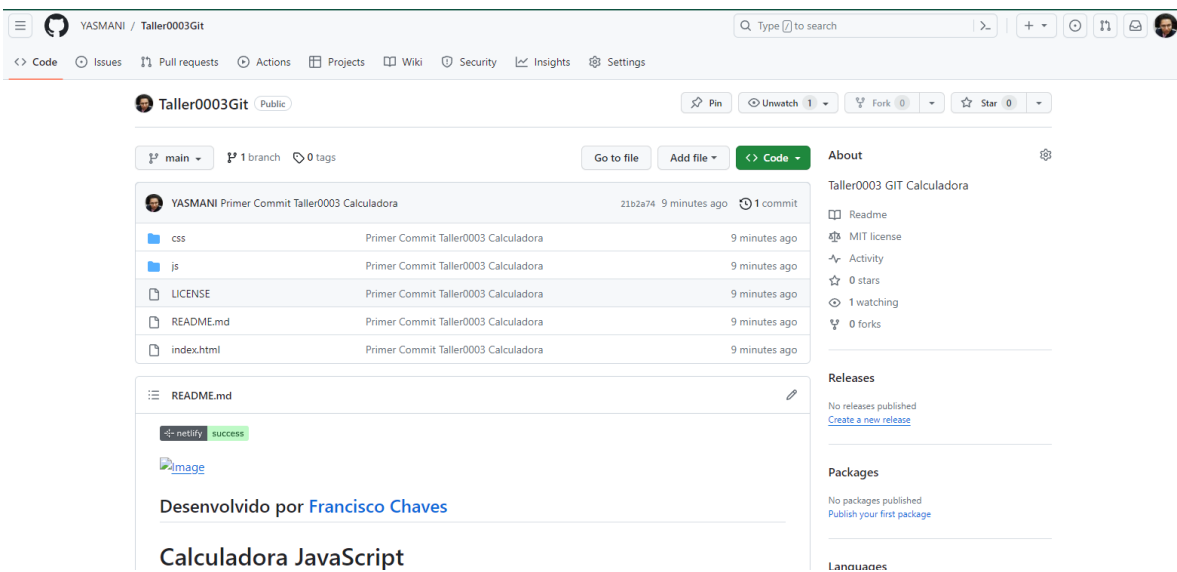
```

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git branch -M main

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git remote add origin https://github.com/YASMANI/Taller0003Git.git

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git push -u origin main
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 3.45 KiB | 1.15 MiB/s, done.
Total 9 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/YASMANI/Taller0003Git.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

```



3. En el repositorio local crear una rama llamada “diseno”, en ella actualizar las referencias a Bootstrap en su versión más actual y modificar el diseño visual del proyecto de tal forma que tenga una interfaz gráfica más agradable, realizar los commit que sean necesarios.

```

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git branch
* main

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git branch diseno

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git branch
diseno
* main

```

```

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git checkout diseno
Switched to branch 'diseno'
M      index.html

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (diseno)
$ git branch
* diseno
  main

```

```

9
10 <link href="./css/style.css" type="text/css" rel="stylesheet" />
11 <!-- Bootstrap CSS -->
12 <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
13 integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/i3QUOhcNR7x9rv0v1x2MZw1T" crossorigin="anonymous">
14 </head>
15
16 <body>
17
18 <nav class="navbar navbar-expand navbar-dark bg-dark">
19 <div class="nav navbar-nav">
20 <a class="nav-item nav-link active" href="#">Calculadora JavaScript <span
21 class="sr-only">(current)</span></a>
22 </div>
23 </nav>
24 <div class="container" style="margin-top: 40px;">
25 <div class="row">
26 <div class="col-md-12">
27

```

diseno*

Lín. 29, col. 21

```

9
10 <link href="./css/style.css" type="text/css" rel="stylesheet" />
11 <!-- Bootstrap CSS -->
12 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet"
13 integrity="sha384-T3c6CoI16uLrA9TneNEoa7RxnatzjcDSCmG1MXxSR1GAsXEV/Dwvykc2MPK8M2HN" crossorigin="anonymous">
14 </head>
15
16 <body>
17
18 <nav class="navbar navbar-expand navbar-dark bg-dark">
19 <div class="nav navbar-nav">
20 <a class="nav-item nav-link active" href="#">Calculadora JavaScript <span
21 class="sr-only">(current)</span></a>
22 </div>
23 </nav>
24 <div class="container" style="margin-top: 40px;">
25 <div class="row">
26 <div class="col-md-12">
27

```

diseno*

Lín. 16, col. 7

<-	C		
7	8	9	/
4	5	6	*
1	2	3	-
0	.	=	+

<-	C		
7	8	9	/
4	5	6	*
1	2	3	-
0	.	=	+

4. Una vez terminado el diseño realizar un merge (fusión) de los cambios realizados en la rama "diseno" a la rama "main".

```
YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (diseno)
$ git branch
* diseno
  main

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (diseno)
$ git status
On branch diseno
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:   index.html

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

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (diseno)
$ git add .
warning: in the working copy of 'index.html', LF will be replaced by CRLF the next time Git touches it

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (diseno)
$ git commit -m "Diseño Listo"
[diseno d87164e] Diseño Listo
1 file changed, 21 insertions(+), 21 deletions(-)
```

```
YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git diff main diseno
diff --git a/index.html b/index.html
index 681920e..9d319d6 100644
--- a/index.html
+++ b/index.html
@@ -9,8 +9,8 @@
<link href="/css/style.css" type="text/css" rel="stylesheet" />
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
      integrity="sha384-ggOyR01XCbMQV3Xipma34MD+dH/1fQ784/j6cY/i3QUohcwr7x99voRxT2MZw1T" crossorigin="anonymous">
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.2/dist/css/bootstrap.min.css" rel="stylesheet"
      integrity="sha384-T3c6Co116uLrA9TneEoa7RxnatzjcDSCmGLMmXSRLGAsXEV/Dwwykc2MPK8M2HN" crossorigin="anonymous">
</head>
<body>
@@ -26,7 +26,7 @@
    <div class="col-md-12">
        <div id="calculadora">
            <table>
@@ -34,32 +34,32 @@
                <tr>
                    <td colspan="4">
                </td>
                </tr>
                <tr>
                    <td><input type="button" id="apagarAnterior" value="-" /></td>
                    <td><input type="button" id="limparTela" value="C" /></td>
                    <td><input type="button" id="apagarAnterior" value="-" class="btn btn-danger" /></td>
                    <td><input type="button" id="limparTela" value="C" class="btn btn-danger" /></td>
                </tr>
                <tr>
                    <td><input type="button" id="num7" value="7" /></td>
                    <td><input type="button" id="num8" value="8" /></td>
                    <td><input type="button" id="num9" value="9" /></td>
                    <td><input type="button" id="divisao" value="/" /></td>
                    <td><input type="button" id="num7" value="7" class="btn btn-primary" /></td>
                    <td><input type="button" id="num8" value="8" class="btn btn-primary" /></td>
                    <td><input type="button" id="num9" value="9" class="btn btn-primary" /></td>
                    <td><input type="button" id="divisao" value="/" class="btn btn-info" /></td>
                </tr>
                <tr>
                    <td><input type="button" id="num4" value="4" /></td>
                    <td><input type="button" id="num5" value="5" /></td>
```

```

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git merge diseno
Updating 21b2a74..d87164e
Fast-forward
 index.html | 42 ++++++-----
 1 file changed, 21 insertions(+), 21 deletions(-)

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git log --oneline
d87164e (HEAD -> main, diseno) Diseño Listo
21b2a74 (origin/main) Primer Commit Taller0003 Calculadora

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$

```

5. Crear una rama llamada “funcionalidad” en la cual agregaremos un botón al final de la GUI del proyecto que me permita convertir grados Centígrados a Fahrenheit, realizar en esta rama los commit que sean necesarios.

```

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git branch funcionalidad

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git branch
  diseno
  funcionalidad
* main

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git checkout funcionalidad
Switched to branch 'funcionalidad'

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (funcionalidad)
$ git branch
  diseno
* funcionalidad
  main

```

```

42
43     btnConvertir.onclick = function () {
44         celsiusAFahrenheit();
45     }
46
47     function celsiusAFahrenheit() {
48         tela.value = (tela.value * 9/5) + 32;
49     }
50

```

122			
<-	C		
7	8	9	/
4	5	6	*
1	2	3	-
0	.	=	+

Convertir de °C a °F

6. Una vez terminada la funcionalidad realizar un merge (fusión) de los cambios realizados en la rama "funcionalidad" a la rama "main".

```
YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (funcionalidad)
$ git status
On branch funcionalidad
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:   index.html
        modified:   js/script.js

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

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (funcionalidad)
$ git add .
warning: in the working copy of 'js/script.js', LF will be replaced by CRLF the next time Git
touches it

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (funcionalidad)
$ git status
On branch funcionalidad
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   index.html
        modified:   js/script.js
```

```
YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (funcionalidad)
$ git branch
  diseno
* funcionalidad
  main

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (funcionalidad)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git merge funcionalidad
Updating d87164e..6c77023
Fast-forward
 index.html | 5 +++++
 js/script.js | 9 ++++++++
 2 files changed, 14 insertions(+)
```

```
YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git log --oneline
6c77023 (HEAD -> main, funcionalidad) Asignar Boton Convertir °C a °F
d87164e (origin/main, diseno) Diseño Listo
21b2a74 Primer Commit Taller0003 Calculadora

YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$
```

7. Actualizar el repositorio remoto y realizar un pequeño informe presentado de manera individual en el cual se evidencie por medio de capturas de pantalla el trabajo realizado, el informe debe ser almacenado como un archivo PDF dentro de la carpeta principal del proyecto con el nombre "informe.pdf"

```
YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git push
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 613 bytes | 613.00 KiB/s, done.
Total 5 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To https://github.com/YASMANI/Taller0003Git.git
   d87164e..6c77023  main -> main
```

```
YASMANI@YASMANI MINGW64 ~/Desktop/Diplomado/Modulo 1/Unidad 1/Taller0003Git (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

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

A continuacion se realizara la actualizacion del repositorio remoto con el documento Informe.pdf