

**DIPLOMADO DE ACTUALIZACIÓN EN NUEVAS TECNOLOGÍAS PARA EL
DESARROLLO DE SOFTWARE**

Taller Unidad 1 GIT

Autor

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1. Clonar en el directorio de trabajo el proyecto público que se encuentra alojado en GitHub.

```
MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG (master)
$ git clone https://github.com/Igorcbraz/Calculadora.git
Cloning into 'Calculadora'...
remote: Enumerating objects: 86, done.
remote: Counting objects: 100% (33/33), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 86 (delta 29), reused 22 (delta 22), pack-reused 53
Receiving objects: 100% (86/86), 5.87 MiB | 5.78 MiB/s, done.
Resolving deltas: 100% (41/41), done.
```

2. Crear una cuenta de GitHub, sincronizar el repositorio local con el repositorio remoto que deberá llevar el mismo nombre.

```
MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG/Calculadora
Initialized empty Git repository in C:/Users/daniela/Documents/Desarrollo SWUG/Calculadora/.git/

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (master)
$ git add .

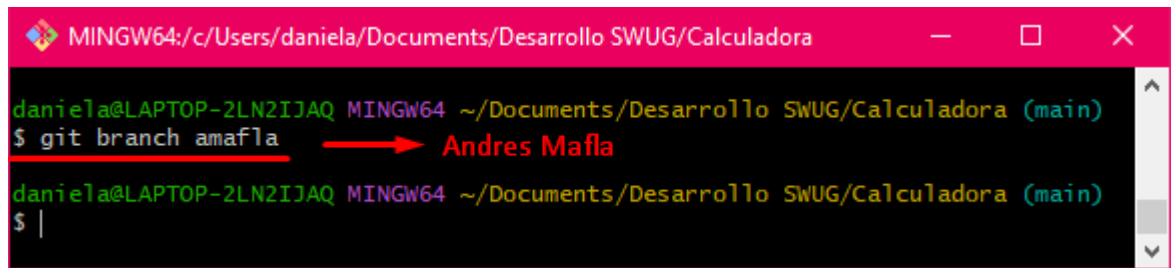
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (master)
$ git commit -m "primer commit"
[master (root-commit) 8363e7f] primer commit
20 files changed, 683 insertions(+)
create mode 100644 LICENSE
create mode 100644 README.md
create mode 100644 design/desktop-design-theme-1.jpg
create mode 100644 design/desktop-design-theme-2.jpg
create mode 100644 design/desktop-design-theme-3.jpg
create mode 100644 design/desktop-preview.jpg
create mode 100644 design/mobile-design-theme-1.jpg
create mode 100644 design/mobile-design-theme-2.jpg
create mode 100644 design/mobile-design-theme-3.jpg
create mode 100644 desktop.ini
create mode 100644 images/Debug.jpg
create mode 100644 images/Demostracao.gif
create mode 100644 images/Demostracao.mp4
create mode 100644 images/favicon-32x32.png
create mode 100644 images/prefer-color-scheme.gif
create mode 100644 images/prefer-color-scheme.mp4
create mode 100644 index.html
create mode 100644 script.js
create mode 100644 style-guide.md
create mode 100644 style.css

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (master)
$ git branch -M main

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$ git remote add origin https://github.com/andresmafla/Calculadora.git

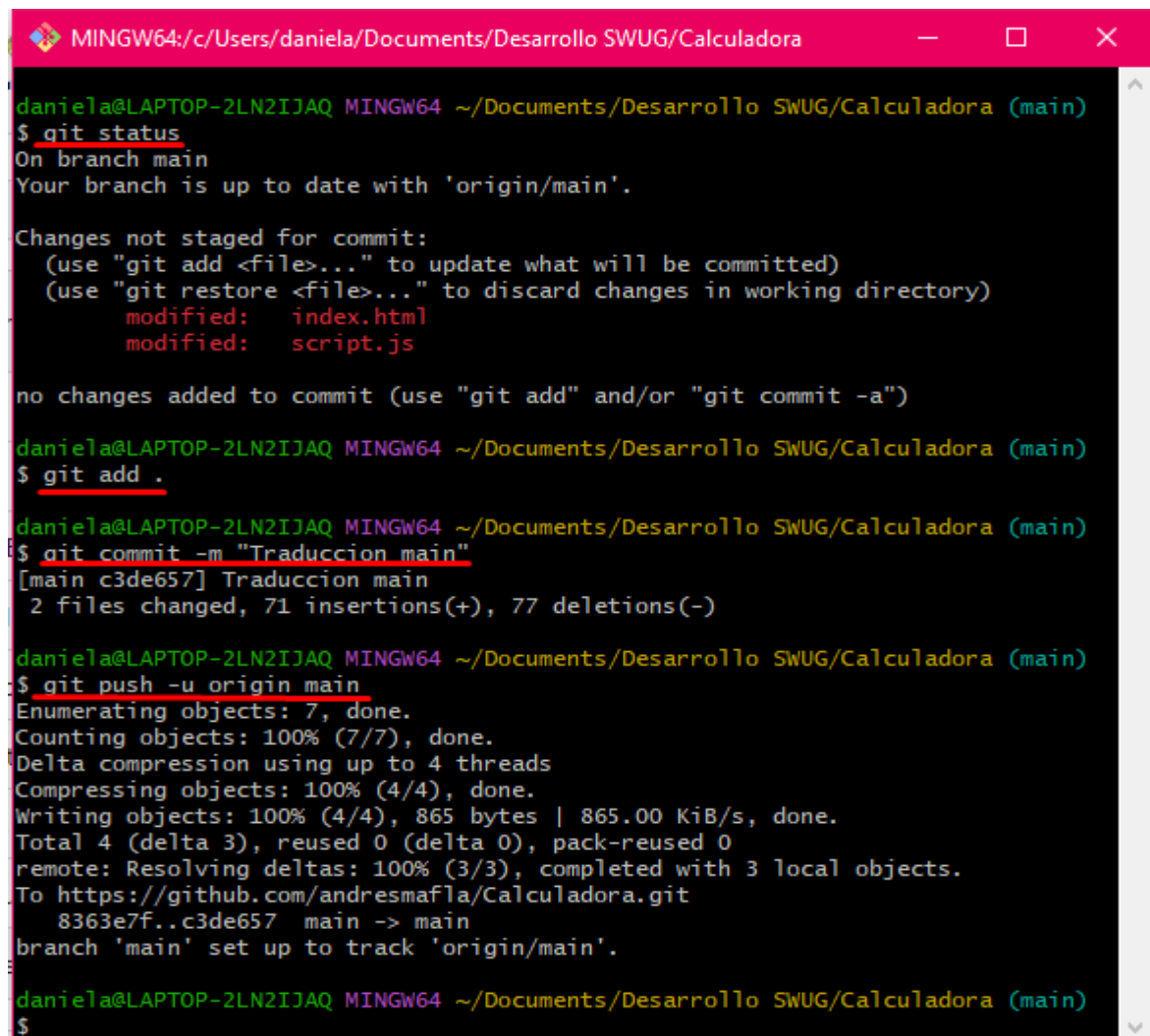
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$ git push -u origin main
Enumerating objects: 24, done.
Counting objects: 100% (24/24), done.
Delta compression using up to 4 threads
Compressing objects: 100% (23/23), done.
Writing objects: 100% (24/24), 5.86 MiB | 1023.00 KiB/s, done.
Total 24 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/andresmafla/Calculadora.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

3. Consideraremos la rama "main" como la rama de producción, se deben crear 1 rama que como nombre tenga la inicial del primer nombre del estudiante, seguido de su apellido, por ejemplo, para Vicente Aux será "vaux".



```
MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG/Calculadora
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$ git branch amafla
Andres Mafla
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$ |
```

4. En la rama main como primer paso se debe traducir la GUI a español, puesto que las etiquetas y mensajes, se encuentran en Ingles. Realizar un commit con nombre "Traduccion main" al finalizar la tarea.



```
MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG/Calculadora
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$ 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:   index.html
        modified:   script.js

no changes added to commit (use "git add" and/or "git commit -a")
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$ git add .
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$ git commit -m "Traduccion main"
[main c3de657] Traduccion main
 2 files changed, 71 insertions(+), 77 deletions(-)
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$ git push -u origin main
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 865 bytes | 865.00 KiB/s, done.
Total 4 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To https://github.com/andresmafla/Calculadora.git
 8363e7f..c3de657  main -> main
branch 'main' set up to track 'origin/main'.
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$
```

5. Como tenemos una rama para el estudiante desarrollar en ella 4 funcionalidades nuevas como se detalla a continuación.

a) Funcionalidad Temperatura, pasar de Grados Centígrados a Fahrenheit.

```
<div class="col-5 col-md-5 col-lg-5 col-xl-5 ">
  <div class="row calc-keys">
    <div class="row">
      <h5>Temperatura</h5>
    </div>
    <div class="row">
      <div class="col col-6">
        <input type="number" id="celsius" name="celsius" step="any" required>
        <label for=""> Grados Centígrados</label>
      </div>
      <div class="col col-1">
        <input class="col" type="button" value="=" id="equals" onclick="conv1()">
      </div>
      <div class="col col-5">
        <textarea readonly name="fahrenheit" id="fahrenheit"></textarea>
        <label for=""> Grados Fahrenheit</label>
      </div>
    </div>
  </div>
</div>
```

```
function conv1() {
  var celsius = document.getElementById("celsius");
  var resultado = document.getElementById("fahrenheit");
  celsius = parseFloat(celsius.value);
  var fahrenheit = (celsius * 9 / 5) + 32;

  resultado.textContent = fahrenheit;
}
```

Calculadora

TEMA

123

0

789DEL

456+

123-

.0/×

REINICIAR=

Temperatura

23

=

73.4

Grados Centígrados

Grados Fahrenheit

```
MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG/Calculadora
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git add .

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git commit -m "conversion celcius a fahrenheit"
[amaf1a cd9807a] conversion celcius a fahrenheit
3 files changed, 125 insertions(+), 51 deletions(-)

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git push origin amaf1a
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 1.47 KiB | 1.47 MiB/s, done.
Total 5 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/andresmafla/Calculadora.git
9889908..cd9807a amaf1a -> amaf1a

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ |
```

b) Funcionalidad Presión, pasar de Pascal a Bar.

```
<div class="row calc-keys">
  <div class="row">
    <h5>Presión</h5>
  </div>
  <div class="row">
    <div class="col col-6">
      <input type="number" id="pascal" name="pascal" step="any" required>
      <label for=""> Pascal</label>
    </div>
    <div class="col col-1">
      <input class="col" type="button" value="=" id="equals" onclick="conv2()">
    </div>
    <div class="col col-5">
      <textarea readonly name="bar" id="bar"></textarea>
      <label for=""> Bar</label>
    </div>
  </div>
</div>
```

```
function conv2() {
  var pascal = document.getElementById("pascal");
  var resultado = document.getElementById("bar");

  var bar = pascal.value * 0.00001;

  resultado.textContent = bar;
}
```

Calculadora

TEMA 1 2 3

0

7

8

9

DEL

4

5

6

+

1

2

3

-

.

0

/

x

REINICIAR

=

Temperatura

21

=

69.8

Grados Centígrados

Grados Fahrenheit

Presión

400000

=

4

Pascal

Bar

```

MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG/Calculadora
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amafla)
$ git add .

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amafla)
$ git commit -m "conversion pascal a bar"
[amafla 851f519] conversion pascal a bar
1 file changed, 4 deletions(-)

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amafla)
$ git push origin amafla
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 310 bytes | 310.00 KiB/s, done.
Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/andresmafla/Calculadora.git
449fd39..851f519 amafla -> amafla

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amafla)
$

```

c) Funcionalidad Masa, pasar de Kilos a Gramos.

```

<div class="row calc-keys">
  <div class="row">
    <h5>Masa</h5>
  </div>
  <div class="row">
    <div class="col col-6">
      <input type="number" id="kilo" name="kilo" step="any" required>
      <label for=""> Kilogramo</label>
    </div>
    <div class="col col-1">
      <input class="col" type="button" value="=" id="equals" onclick="conv3()">
    </div>
    <div class="col col-5">
      <textarea readonly name="gramo" id="gramo"></textarea>
      <label for=""> Gramo</label>
    </div>
  </div>
</div>

```

```

function conv3() {
  var kilo = document.getElementById("kilo");
  var resultado = document.getElementById("gramo");
  var gramo = kilo.value * 1000;
  resultado.textContent = gramo;
}

```

Calculadora

TEMA

1 2 3

0

7 8 9 DEL

4 5 6 +

1 2 3 -

. 0 / x

REINICIAR =

Temperatura

2 = 35.6

Grados Centígrados Grados Fahrenheit

Presión

400 = 0.004

Pascal Bar

Masa

28 = 28000

Kilogramo Gramo

```
MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG/Calculadora
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git add .

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git commit -m "conversion kilo a gramos"
[amaf1a 12d4b70] conversion kilo a gramos
2 files changed, 26 insertions(+)

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git push origin amaf1a
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 539 bytes | 539.00 KiB/s, done.
Total 4 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 3 local objects.
To https://github.com/andresmafla/Calculadora.git
851f519..12d4b70 amaf1a -> amaf1a

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ |
```

d) Funcionalidad Longitud, pasar de Metros a Centímetros.

```
<div class="row conv">
  <div class="row">
    <h5>Longitud</h5>
  </div>
  <div class="row">
    <div class="col col-6">
      <input type="number" id="metro" name="metro" step="any" required>
      <label for=""> Metro</label>
    </div>
    <div class="col col-1">
      <input class="col" type="button" value="=" id="equals" onclick="conv4()">
    </div>
    <div class="col col-5">
      <textarea readonly name="centimetro" id="centimetro"></textarea>
      <label for=""> Centímetro</label>
    </div>
  </div>
</div>
```

```
function conv4() {
  var metro = document.getElementById("metro");
  var resultado = document.getElementById("centimetro");
  var centimetro = metro.value * 100;
  resultado.textContent = centimetro;
}
```


Calculadora

TEMA 1 2 3

0

7 8 9 DEL

4 5 6 +

1 2 3 -

. 0 / x

REINICIAR =

Temperatura

2 = 35.6

Grados Centigrados Grados Fahrenheit

Presión

4000 = 0.04

Pascal Bar

Masa

23 = 23000

Kilogramo Gramo

Longitud

5 = 500

Metro Centímetro

```

MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG/Calculadora
daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git add .

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git commit -m "conversion metro a centimetro"
[amaf1a a4b94ab] conversion metro a centimetro
3 files changed, 49 insertions(+), 5 deletions(-)

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git push origin amaf1a
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 708 bytes | 708.00 KiB/s, done.
Total 5 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/andresmafla/Calculadora.git
12d4b70..a4b94ab amaf1a -> amaf1a

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$

```

6. Cuando las funcionalidades estén listas se debe realizar un merge de cada una de ellas a la rama main, dejando el producto listo en producción.

```
MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG/Calculadora
remote: Resolving deltas: 100% (4/4), completed with 4 local objects.
To https://github.com/andresmafla/Calculadora.git
 12d4b70..a4b94ab  amaf1a -> amaf1a

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (amaf1a)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
$ git merge amaf1a
Updating 9889908..a4b94ab
Fast-forward
 index.html | 76 ++++++-----
 script.js  | 29 ++++++
 style.css  | 166 ++++++-----
 3 files changed, 220 insertions(+), 51 deletions(-)

daniela@LAPTOP-2LN2IJAQ MINGW64 ~/Documents/Desarrollo SWUG/Calculadora (main)
```

```
MINGW64:/c/Users/daniela/Documents/Desarrollo SWUG/Calculadora

conversion kilo a gramos

commit 851f519c22cca257da0e24986fad42cdc0f8e2e8
Author: andresmafla <amaf1a572@gmail.com>
Date: Mon Jul 3 11:25:54 2023 -0500

conversion pascal a bar

commit 449fd393dd87333cac4f32adf559a9e6f8d727ce
Author: andresmafla <amaf1a572@gmail.com>
Date: Mon Jul 3 11:24:05 2023 -0500

conversion celcius a fahrenheit

commit cd9807a7bdf7cbf9e3441ebc26ce68ef5f0b73e5
Author: andresmafla <amaf1a572@gmail.com>
Date: Mon Jul 3 11:01:45 2023 -0500

conversion celcius a fahrenheit

commit 988990819573e0bfce901c3f2b032c865d9479ef
Author: andresmafla <amaf1a572@gmail.com>
Date: Mon Jul 3 10:01:14 2023 -0500

Traduccion main

commit c3de657f674f86028946b99fcbed5b085ea8ed23
Author: andresmafla <amaf1a572@gmail.com>
Date: Sat Jul 1 22:06:43 2023 -0500

Traduccion main

commit 8363e7fa643fd10fa9243723788bd663f1b4a875
Author: andresmafla <amaf1a572@gmail.com>
Date: Sat Jul 1 21:40:22 2023 -0500

primer commit

~
(END)
```