

# INFORME GIT - 221036047

1.

- Creación de repositorio local:

```
MINGW64:/c:/Users/crist/Documents/Diplomado/TallerGitCristianPaz
cris@-- MINGW64 ~
$ cd Documents/Diplomado

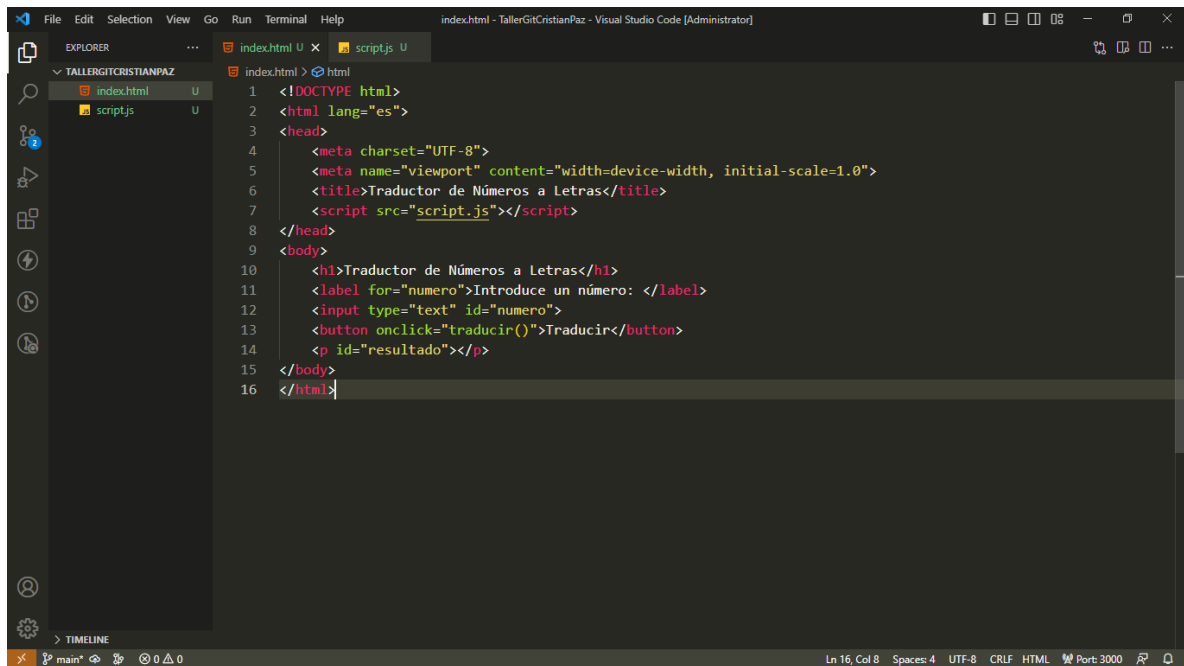
cris@-- MINGW64 ~/Documents/Diplomado
$ mkdir TallerGitCristianPaz

cris@-- MINGW64 ~/Documents/Diplomado
$ cd TallerGitCristianPaz

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz
$ git init
Initialized empty Git repository in C:/Users/crist/Documents/Diplomado/TallerGitCristianPaz/.git/

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$
```

- Creación del traductor de números a letras -> index.html:



```
index.html - TallerGitCristianPaz - Visual Studio Code [Administrator]
index.html U x
scriptjs U

1 <!DOCTYPE html>
2 <html lang="es">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Traductor de Números a Letras</title>
7   <script src="script.js"></script>
8 </head>
9 <body>
10  <h1>Traductor de Números a Letras</h1>
11  <label for="numero">Introduce un número: </label>
12  <input type="text" id="numero">
13  <button onclick="traducir()">Traducir</button>
14  <p id="resultado"></p>
15 </body>
16 </html>
```

- Creación del traductor de números a letras -> script.js:

```
script.js - TallerGitCristianPaz - Visual Studio Code [Administrator]
index.html U script.js U X

1 const unidades = ["", "uno", "dos", "tres", "cuatro", "cinco", "seis", "siete", "ocho", "nueve"];
2 const decenas = ["", "diez", "veinte", "treinta", "cuarenta", "cincuenta", "sesenta", "setenta", "ochenta", "noventa"];
3 const especiales = ["diez", "once", "doce", "trece", "catorce", "quince", "dieciséis", "diecisiete", "dieciocho", "diecinueve"];
4 const centenas = ["", "ciento", "doscientos", "trescientos", "cuatrocientos", "quinientos", "seiscientos", "setecientos",
5 "ochocientos", "novecientos"];
6 const grandes = ["", "mil", "millón", "mil millones", "billón", "mil billones", "trillón", "mil trillones"];
7
8 function traducirNumeroALetras(num) {
9     if (num === 0) return "cero";
10    if (num < 0) return "menos " + traducirNumeroALetras(Math.abs(num));
11
12    let palabras = '';
13    let partes = [];
14    let contador = 0;
15
16    while (num > 0) {
17        let parte = num % 1000;
18        if (parte > 0) {
19            let textoParte = traducirTresDigitos(parte);
20            if (contador > 0) {
21                if (parte === 1 && contador > 1) {
22                    textoParte = grandes[contador]; // "un millón", "mil millones"
23                } else {
24                    textoParte += " " + grandes[contador];
25                    if (parte > 1 && contador == 2) {
26                        textoParte += "es"; // Manejo de "millones"
27                    }
28                }
29            }
30            partes.push(textoParte);
31            num = Math.floor(num / 1000);
32            contador++;
33        }
34
35        palabras = partes.reverse().join(' ');
36        return palabras.trim();
37    }
38
39    function traducirTresDigitos(num) {
40        let resultado = '';
41
42        if (num >= 100) {
43            if (num === 100) {
44                resultado = "cien";
45            } else {
46                resultado = centenas[Math.floor(num / 100)] + " ";
47            }
48            num %= 100;
49        }
50
51        if (num >= 10 && num < 20) {
52            resultado += especiales[num - 10];
53        } else {
54            resultado += decenas[Math.floor(num / 10)];
55
56            if (num % 10 > 0) {
57                resultado += (num >= 30 ? " y " : " ") + unidades[num % 10];
58            }
59        }
60
61        return resultado.trim();
62    }
63
64    function traducir() {
65        let numero = document.getElementById("numero").value;
66        let numeroEntero = parseInt(numero);
67        let resultado = traducirNumeroALetras(numeroEntero);
68        document.getElementById("resultado").textContent = `${numero} en letras es: ${resultado}`;
69    }
70 }
```

- Ejecución:



- Creación del commit inicial:

```
MINGW64~/c/Users/crist/Documents/Diplomado/TallerGitCristianPaz
crist@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ git status
On branch main

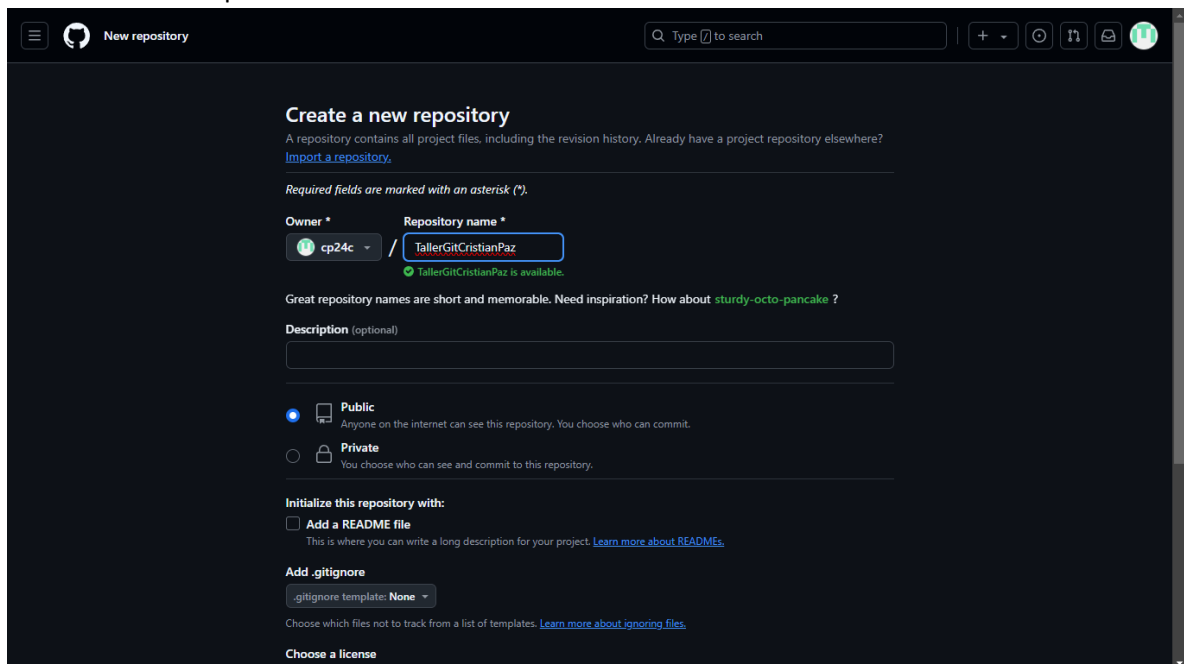
No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        index.html
        script.js

nothing added to commit but untracked files present (use "git add" to track)
crist@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ git add .
crist@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ git commit -m "Commit inicial con traductor de números a letras"
[main (root-commit) 7e80721] Commit inicial con traductor de números a letras
 2 files changed, 84 insertions(+)
 create mode 100644 index.html
 create mode 100644 script.js
crist@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$
```

2.

- Creación del repositorio remoto en GitHub:



- Envío del avance del repositorio local al remoto:

```
MINGW64:/c/Users/crist/Documents/Diplomado/TallerGitCristianPaz
cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ git remote add origin https://github.com/cp24c/TallerGitCristianPaz.git

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 1.34 KiB | 687.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/cp24c/TallerGitCristianPaz.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$
```

3.

- Creación de la rama diseño:

```
MINGW64:/c/Users/crist/Documents/Diplomado/TallerGitCristianPaz
cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ git checkout -b disen
Switched to a new branch 'disen'

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (disen)
$
```

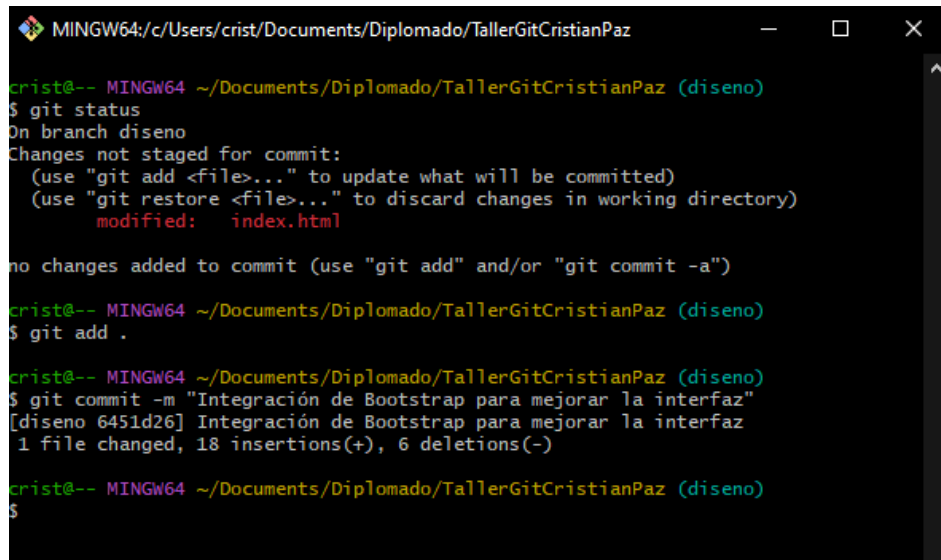
- Integración de Bootstrap:

```
index.html - TallerGitCristianPaz - Visual Studio Code [Administrator]

EXPLORER
TALLERGITCRISTIANPAZ
  index.html
  script.js

index.html
1 <!DOCTYPE html>
2 <html lang="es">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1.0">
6   <title>Traductor de Números a Letras</title>
7
8   <link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
9   <script src="script.js"></script>
10 </head>
11 <body class="container my-5">
12   <h1 class="text-center">Traductor de Números a Letras</h1>
13
14   <div class="form-group">
15     <label for="numero">Introduce un número:</label>
16     <input type="text" class="form-control" id="numero" placeholder="Escribe un número">
17   </div>
18
19   <button class="btn btn-primary" onclick="traducir()">Traducir</button>
20
21   <p id="resultado" class="mt-4"></p>
22
23
24   <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
25   <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.3/dist/umd/popper.min.js"></script>
26   <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
27 </body>
28 </html>
```

- Commit en la rama diseño:



```
MINGW64:/c/Users/crist/Documents/Diplomado/TallerGitCristianPaz
cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (diseño)
$ git status
On branch diseño
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

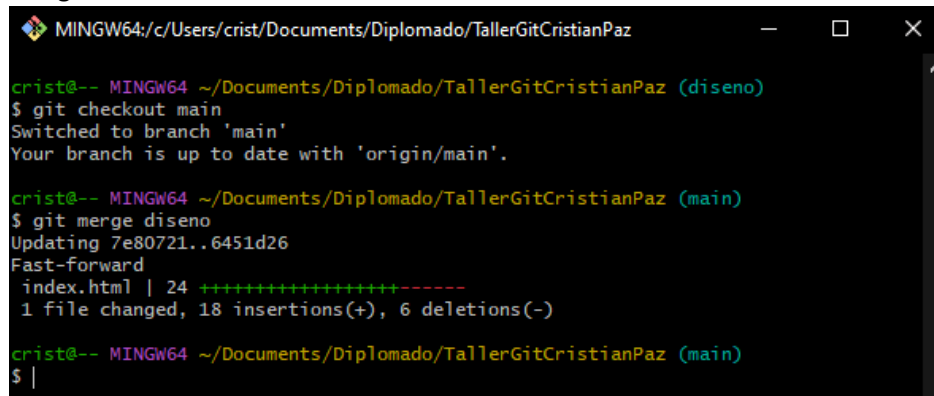
no changes added to commit (use "git add" and/or "git commit -a")

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (diseño)
$ git add .

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (diseño)
$ git commit -m "Integración de Bootstrap para mejorar la interfaz"
[diseño 6451d26] Integración de Bootstrap para mejorar la interfaz
1 file changed, 18 insertions(+), 6 deletions(-)
```

4.

- merge:

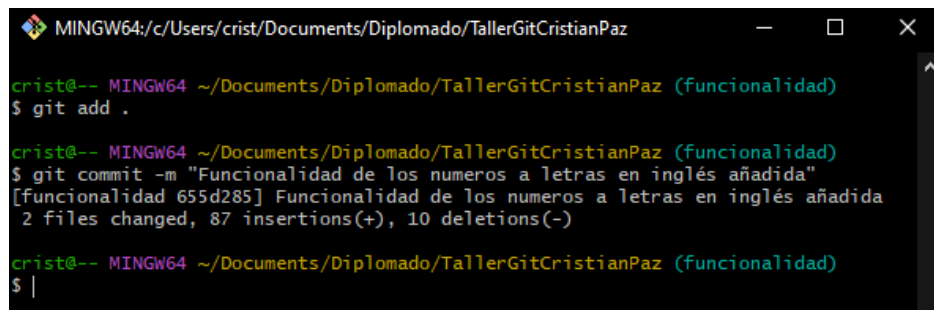


```
MINGW64:/c/Users/crist/Documents/Diplomado/TallerGitCristianPaz
cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (diseño)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ git merge diseño
Updating 7e80721..6451d26
Fast-forward
 index.html | 24 ++++++-----
 1 file changed, 18 insertions(+), 6 deletions(-)
```

5.

- Commit:



```
MINGW64:/c/Users/crist/Documents/Diplomado/TallerGitCristianPaz
cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (funcionalidad)
$ git add .

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (funcionalidad)
$ git commit -m "Funcionalidad de los numeros a letras en inglés añadida"
[funcionalidad 655d285] Funcionalidad de los numeros a letras en inglés añadida
2 files changed, 87 insertions(+), 10 deletions(-)
```

- Función de traducción agregada -> Index.html:

```
index.html X  script.js
index.html > html
1 <!DOCTYPE html>
2 <html lang="es">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Traductor de Números a Letras</title>
8
9   <link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
10  <script src="script.js"></script>
11 </head>
12
13 <body class="container my-5">
14   <h1 class="text-center">Traductor de Números a Letras</h1>
15
16   <div class="form-group">
17     <label for="numero">Introduce un número:</label>
18     <input type="number" class="form-control" id="numero" placeholder="Escribe un número" required>
19   </div>
20
21   <button class="btn btn-primary" onclick="traducir()">Traducir en español</button>
22   <button class="btn btn-dark" onclick="traducirAlIngles()">Translate in english</button>
23   <button class="btn btn-danger" onclick="limpiar()">Limpiar</button>
24
25   <p id="resultado" class="mt-4"></p>
26
27   <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
28   <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.3/dist/umd/popper.min.js"></script>
29   <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
30
```

- Función de traducción agregada -> script.js:

```
File Edit Selection View Go Run Terminal Help
script.js - TallerGitCristianPaz - Visual Studio Code [Administrator]
index.html X  script.js X
script.js > traducirAlIngles
1 const unidades = ["", "uno", "dos", "tres", "cuatro", "cinco", "seis", "siete", "ocho", "nueve"];
2 const decenas = ["", "diez", "veinte", "treinta", "cuarenta", "cincuenta", "sesenta", "setenta", "ochenta", "noventa"];
3 const especiales = ["diez", "once", "doce", "trece", "catorce", "quince", "dieciséis", "diecisiete", "dieciocho", "diecinueve"];
4 const centenas = ["", "ciento", "doscientos", "trescientos", "cuatrocientos", "quinientos", "seiscientos", "setecientos", "ochocientos"];
5 const grandes = ["", "mil", "millón", "mil millones", "billón", "mil billones", "trillón", "mil trillones"];
6
7 const unitsEng = ["", "one", "two", "three", "four", "five", "six", "seven", "eight", "nine"];
8 const tensEng = ["", "ten", "twenty", "thirty", "forty", "fifty", "sixty", "seventy", "eighty", "ninety"];
9 const teensEng = ["ten", "eleven", "twelve", "thirteen", "fourteen", "fifteen", "sixteen", "seventeen", "eighteen", "nineteen"];
10 const hundredsEng = ["", "hundred", "two hundred", "three hundred", "four hundred", "five hundred", "six hundred", "seven hundred"];
11 const thousandsEng = ["", "thousand", "million", "billion", "trillion"];
12
13 function traducirNumeroALetras(num) {
14   if (num === 0) return "cero";
15   if (num < 0) return "menos " + traducirNumeroALetras(Math.abs(num));
16
17   let palabras = '';
18   let partes = [];
19   let contador = 0;
20
21   while (num > 0) {
22     let parte = num % 1000;
23     if (parte > 0) {
24       let textoParte = traducirTresDigitos(parte);
25       if (contador > 0) {
26         if (parte === 1 && contador > 1) {
27           textoParte = grandes[contador]; // "un millón", "mil millones"
28         } else {

```

```

29         textoParte += " " + grandes[contador];
30         if (parte > 1 && contador == 2) {
31             textoParte += "es"; // Manejo de "millones"
32         }
33     }
34     }
35     partes.push(textoParte);
36 }
37 num = Math.floor(num / 1000);
38 contador++;
39 }
40
41 palabras = partes.reverse().join(' ');
42 return palabras.trim();
43 }
44
45 function traducirTresDigitos(num) {
46     let resultado = '';
47
48     if (num >= 100) {
49         if (num === 100) {
50             resultado = "cien";
51         } else {
52             resultado = centenas[Math.floor(num / 100)] + " ";
53         }
54         num %= 100;
55     }
56
57     if (num >= 10 && num < 20) {
58         resultado += especiales[num - 10];
59     } else {
60         resultado += decenas[Math.floor(num / 10)];
61         if (num % 10 > 0) {
62             resultado += (num >= 30 ? " y " : " ") + unidades[num % 10];
63         }
64     }
65
66     return resultado.trim();
67 }
68
69 function traducirTresDigitosIngles(num) {
70     let result = '';
71
72     if (num >= 100) {
73         result += hundredsEng[Math.floor(num / 100)] + " ";
74         num %= 100;
75     }
76
77     if (num >= 10 && num < 20) {
78         result += teensEng[num - 10];
79     } else {
80         result += tensEng[Math.floor(num / 10)];
81         if (num % 10 > 0) {
82             result += (num >= 30 ? "-" : " ") + unitsEng[num % 10];
83         }
84     }
85
86     return result.trim();
87 }
88
89 function traducirNumeroALetrasIngles(num) {
90     if (num === 0) return "zero";
91     if (num < 0) return "minus " + traducirNumeroALetrasIngles(Math.abs(num));
92
93     let words = '';
94     let parts = [];
95     let count = 0;
96
97     while (num > 0) {
98         let part = num % 1000;
99         if (part > 0) {
100             let partText = traducirTresDigitosIngles(part);
101             if (count > 0) {
102                 partText += " " + thousandsEng[count];
103             }
104             parts.push(partText);
105         }
106         num = Math.floor(num / 1000);
107         count++;
108     }
109
110     words = parts.reverse().join(' ');

```

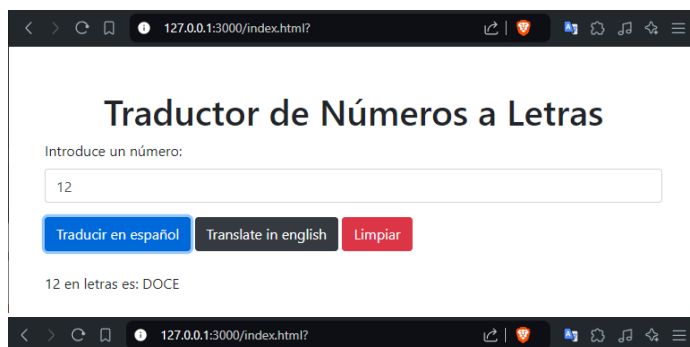
```
111     return words.trim();
112 }
113
114 function traducir() {
115     const valueNumber = document.getElementById("numero").value;
116     if (valueNumber.trim() != "") {
117         let numero = document.getElementById("numero").value;
118         let numeroEntero = parseInt(numero);
119         let resultado = traducirNumeroALetras(numeroEntero);
120         document.getElementById("resultado").textContent = `${numero} en letras es: ${resultado.toUpperCase()}`;
121     } else {
122         document.getElementById("resultado").textContent = 'Ingresa un valor';
123     }
124 }
125
126 function traducirAIIngles() {
127     const valueNumber = document.getElementById("numero").value;
128     if (valueNumber.trim() != "") {
129         let numero = document.getElementById("numero").value;
130         let numeroEntero = parseInt(numero);
131         let resultado = traducirNumeroALetrasIngles(numeroEntero);
132         document.getElementById("resultado").textContent = `${numero} in letters is: ${resultado.toUpperCase()}`;
133     } else {
134         document.getElementById("resultado").textContent = 'Ingresa un valor';
135     }
136 }
137
138 function limpiar() {
139     document.getElementById("resultado").textContent = '';
140     document.getElementById("numero").value = '';
```

- Ejecución:



## Traductor de Números a Letras

Introduce un número:

Traducir en españolTranslate in englishLimpiar

## Traductor de Números a Letras

Introduce un número:

Traducir en españolTranslate in englishLimpiar

12 in letters is: TWELVE



6.

- merge:

```
MINGW64:/c/Users/crist/Documents/Diplomado/TallerGitCristianPaz

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (funcionalidad)
$ 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)

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ git merge funcionalidad
Updating 6451d26..655d285
Fast-Forward
 index.html | 17 ++++++-----
 script.js  | 80 ++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++-----
 2 files changed, 87 insertions(+), 10 deletions(-)

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$
```

7. Repositorio remoto actualizado.

```
MINGW64:/c/Users/crist/Documents/Diplomado/TallerGitCristianPaz

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ git push origin
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 2.44 KiB | 1.22 MiB/s, done.
Total 7 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/cp24c/TallerGitCristianPaz.git
 7e80721..655d285  main -> main

cris@-- MINGW64 ~/Documents/Diplomado/TallerGitCristianPaz (main)
$ |
```