



# PRÁCTICA 01-INSTALACIÓN DEL ENTORNO DE DESARROLLO

## APLICACIONES WEB

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## Sección A – Instalación de Node.js

```
C:\Users\AlexVLBlade>node -v  
v24.13.0
```

```
C:\Users\AlexVLBlade>npm -v  
11.6.2
```

## Sección B – Instalación de Angular CLI

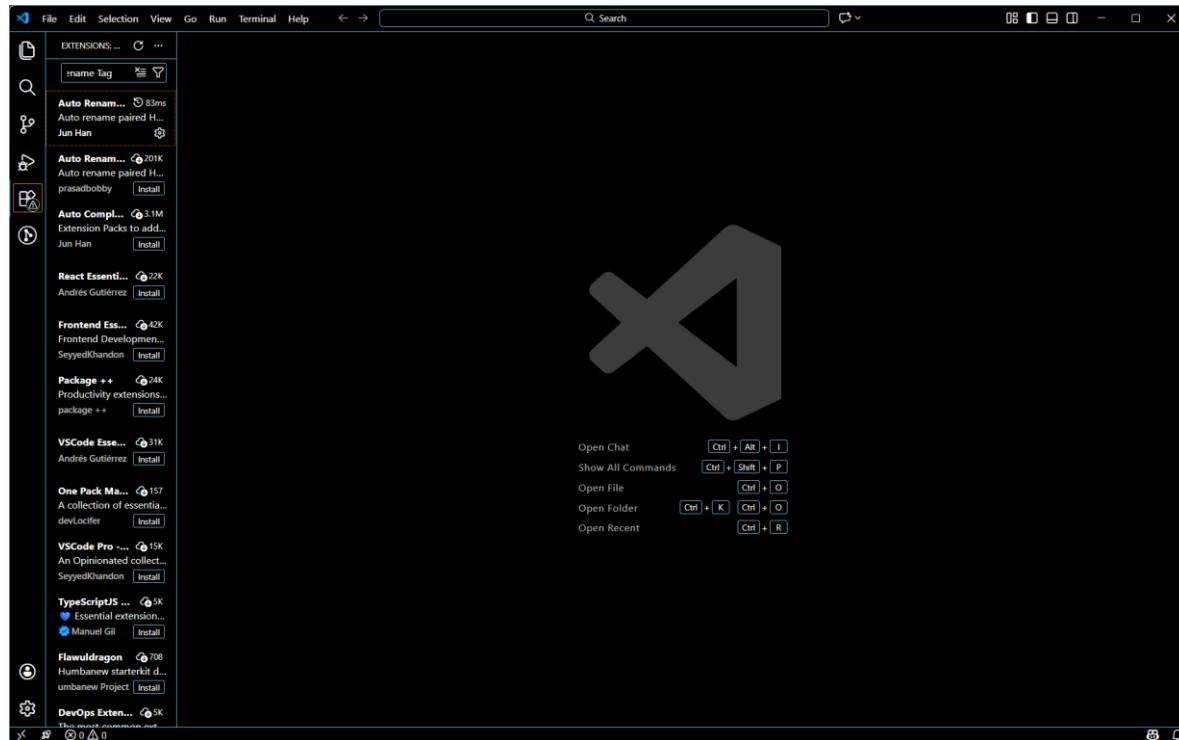
```
C:\Users\AlexVLBlade>ng version
```



```
Angular CLI      : 21.1.0  
Node.js         : 24.13.0  
Package Manager : npm 11.6.2  
Operating System: win32 x64
```

```
C:\Users\AlexVLBlade>node -v
```

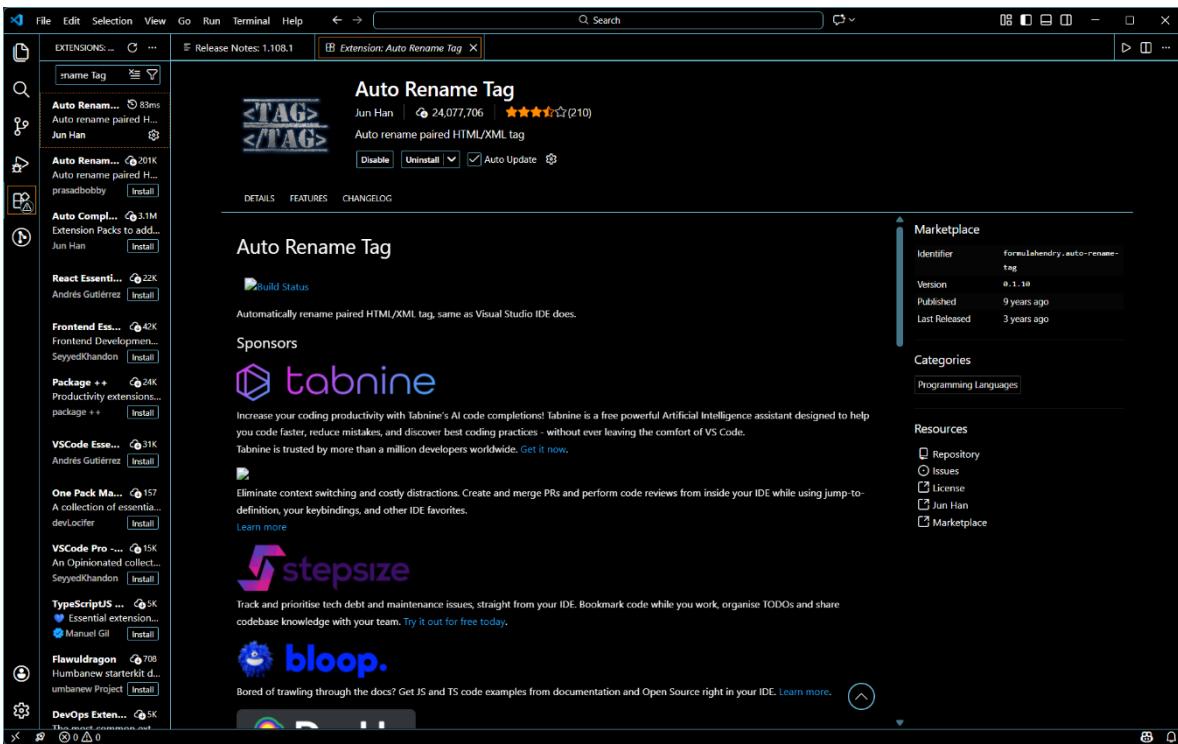
## Sección C – Instalación de Visual Studio Code



## Sección D – Extensiones esenciales de VS Code

The screenshot shows the Visual Studio Code Marketplace interface. The top navigation bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and a search bar. The left sidebar lists various extensions, such as ESLint, Prettier ESLint, and VSCode Prettier. The main content area displays the details for the ESLint extension by Microsoft. It features a large orange circular icon with 'ESLint' in white. The extension has 141ms release notes, 47,614,271 installations, and a 5-star rating from 247 reviews. It integrates ESLint JavaScript into VS Code. Buttons for Disable, Uninstall, Switch to Pre-Release Version, and Auto Update are present. Below the extension details are sections for DETAILS, FEATURES, and CHANGELOG. A note indicates that the extension integrates ESLint into VS Code. It also mentions that the extension uses the ESLint library installed in the workspace folder or a global install version if no local one is found. A Local install (recommended) section provides npm and yarn installation commands. A Global install section provides a single npm command. The right sidebar contains sections for Installation (with details like Identifier: dbaeumer.vscode-eslint, Version: 3.0.20, Last Updated: 19 hours ago, Size: 960.40KB), Marketplace (Published: 10 years ago, Last Released: 1 month ago), Categories (Programming Languages, Linters), and Resources (Repository, Issues, License, Microsoft, Marketplace).

The bottom part of the screenshot shows another extension page for the Material Icon Theme by Philipp Kief. It features a blue circular icon with a white folder icon. The extension has 32,400,663 installations, a 5-star rating from 384 reviews, and a 'Sponsor' button. It integrates Material Design Icons for Visual Studio Code. Buttons for Set File Icon Theme, Disable, Uninstall, and Auto Update are shown. Below the extension details are sections for DETAILS, FEATURES, and CHANGELOG. A note says it's a Material Design Icons for Visual Studio Code. A VERSION section shows V5.30.0, RATING 4.9/5, and INSTALLATIONS >30M. The right sidebar for the Material Icon Theme follows a similar structure to the ESLint page, including sections for Installation, Marketplace, Categories (Themes), and Resources.



## Sección E – Deshabilitar política de seguridad.

```

Administrator: Windows PowerShell
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\WINDOWS\system32> Get-ExecutionPolicy
Restricted
PS C:\WINDOWS\system32> Set-ExecutionPolicy -ExecutionPolicy
>> RemoteSigned -Scope CurrentUser
Set-ExecutionPolicy : Missing an argument for parameter 'ExecutionPolicy'. Specify a parameter of type
'Microsoft.PowerShell.ExecutionPolicy' and try again.
At line:1 char:21
+ Set-ExecutionPolicy -ExecutionPolicy
+ ~~~~~
+ CategoryInfo          : InvalidArgument: (:) [Set-ExecutionPolicy], ParameterBindingException
+ FullyQualifiedErrorId : MissingArgument,Microsoft.PowerShell.Commands.SetExecutionPolicyCommand

RemoteSigned : The term 'RemoteSigned' is not recognized as the name of a cmdlet, function, script file, or operable
program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:2 char:1
+ RemoteSigned -Scope CurrentUser
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (RemoteSigned:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\WINDOWS\system32> Set-ExecutionPolicy -ExecutionPolicy RemoteSigned -Scope CurrentUser

Execution Policy Change
The execution policy helps protect you from scripts that you do not trust. Changing the execution policy might expose
you to the security risks described in the about_Execution_Policies help topic at
https://go.microsoft.com/fwlink/?LinkID=135170. Do you want to change the execution policy?
[Y] Yes  [A] Yes to All  [N] No  [L] No to All  [S] Suspend  [?] Help (default is "N"): y
PS C:\WINDOWS\system32>

```

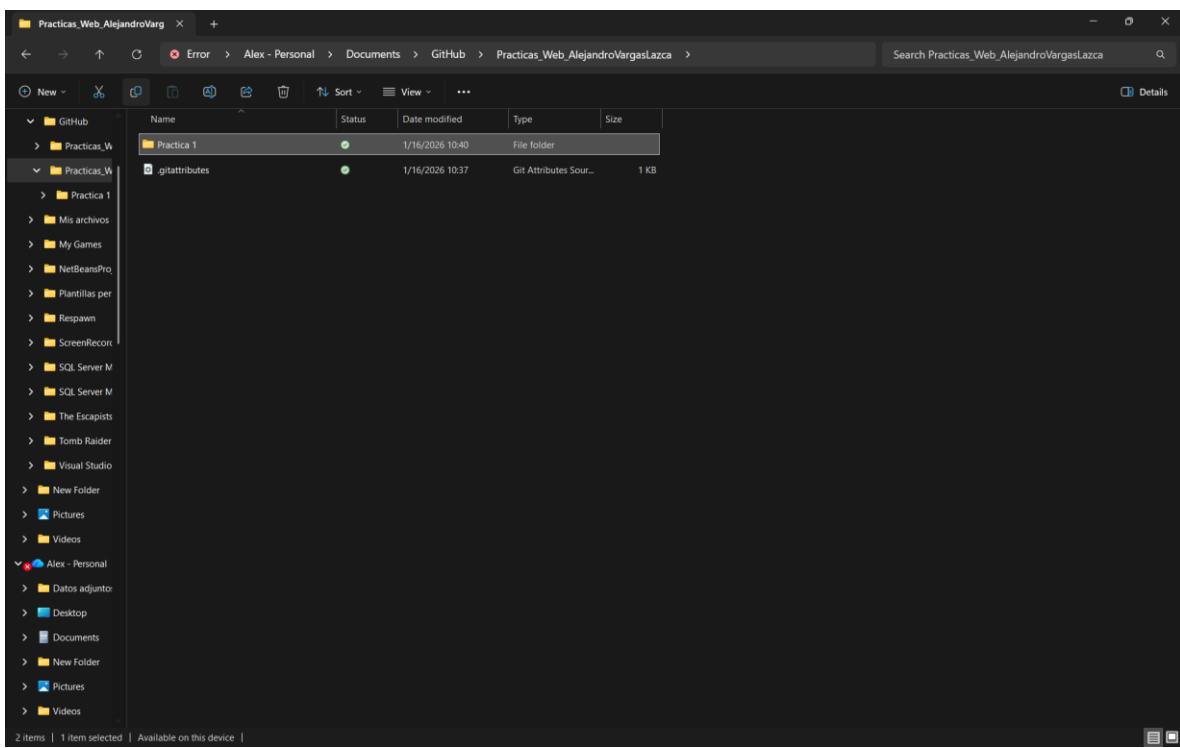
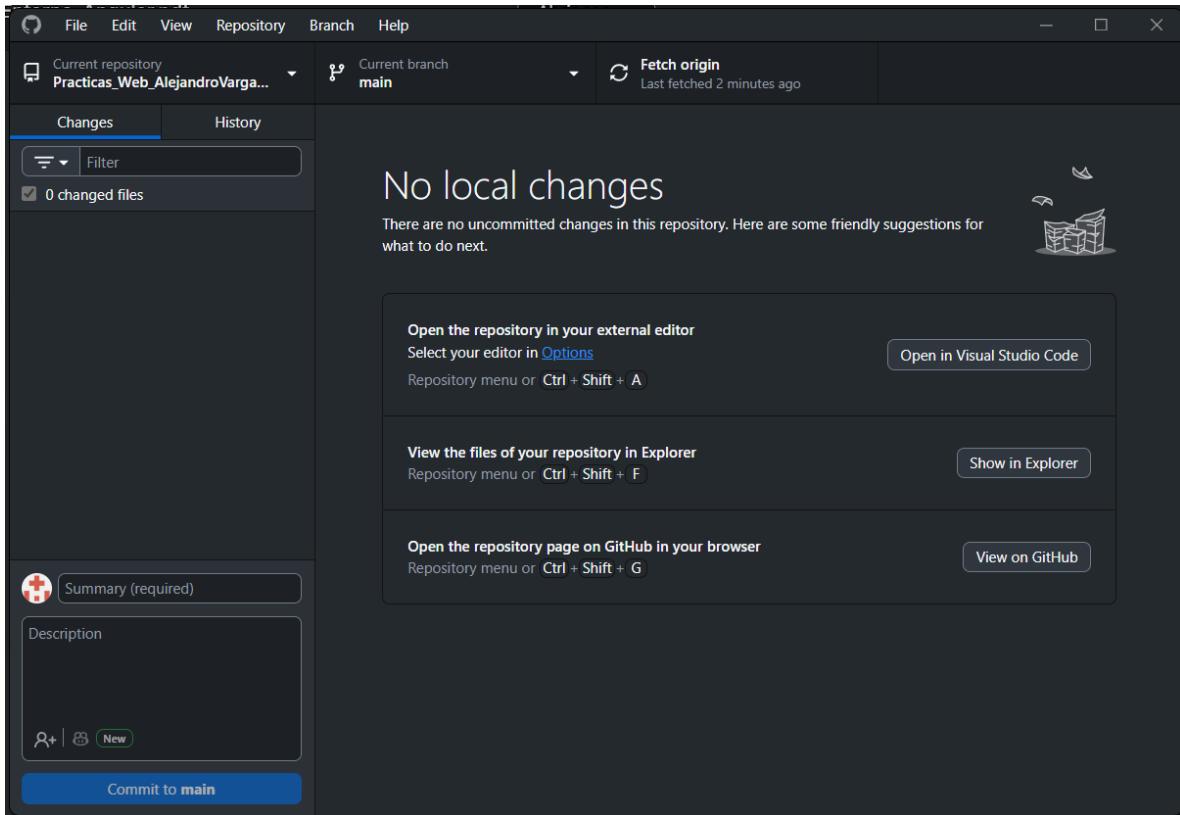
## Sección F – Instalación y configuración de Git

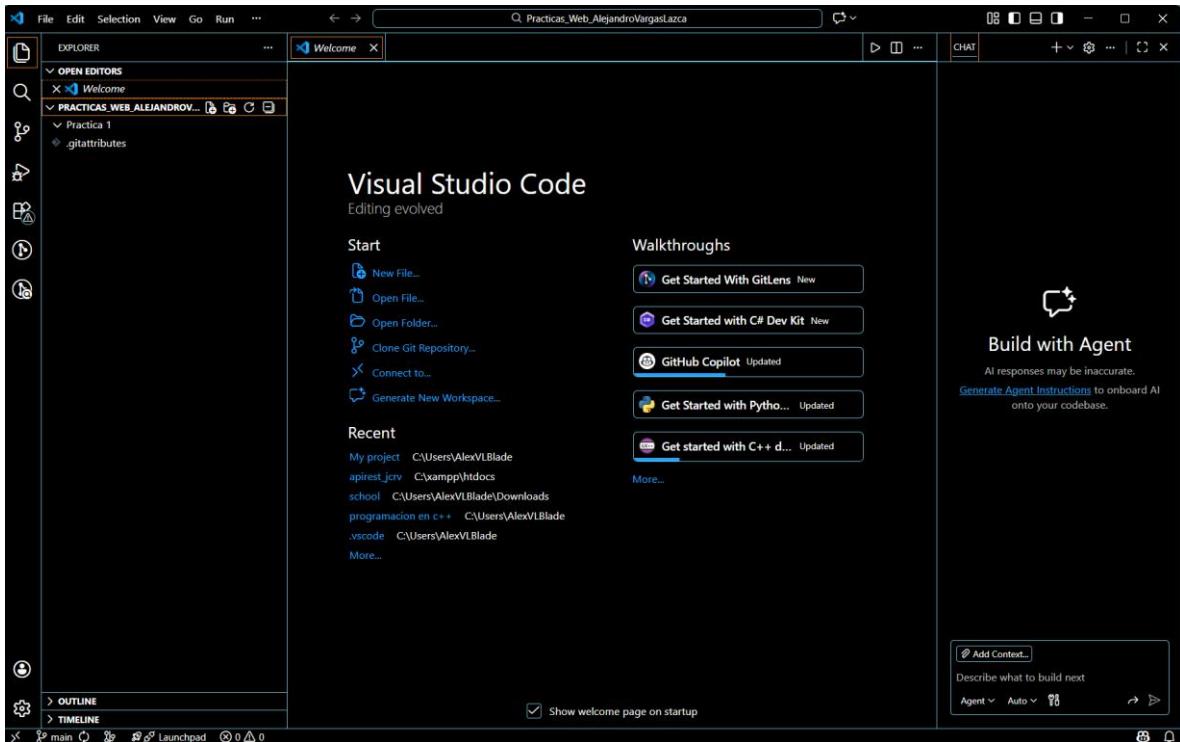
```
C:\Users\AlexVLBlade>git --version  
git version 2.51.2.windows.1
```

```
C:\Users\AlexVLBlade>git config --global user.name "Alejandro Vargas Lazcano"  
C:\Users\AlexVLBlade>git config --global user.email "alejandrovargas@micorreo.upp.edu.mx"
```

## Sección G – GitHub Desktop







```
ng serve (Practica01) x + v
C:\Users\AlexVLBlade>ng new Practica01
Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.dev/cli/analytics.
  Yes

Thank you for sharing pseudonymous usage data. Should you change your mind, the following
command will disable this feature entirely:

  ng analytics disable --global

Global setting: enabled
Local setting: No local workspace configuration file.
Effective status: enabled
? Which stylesheet system would you like to use? CSS [ https://developer.mozilla.org/docs/Web/CSS ]
  ]
? Do you want to enable Server-Side Rendering (SSR) and Static Site Generation (SSG/Prerendering)? Yes
? Which AI tools do you want to configure with Angular best practices? https://angular.dev/ai/develop-with-ai None
CREATE Practica01/angular.json (2148 bytes)
CREATE Practica01/package.json (1190 bytes)
CREATE Practica01/README.md (1522 bytes)
CREATE Practica01/tsconfig.json (990 bytes)
CREATE Practica01/editorconfig (331 bytes)
CREATE Practica01/.gitignore (666 bytes)
CREATE Practica01/tsconfig.app.json (464 bytes)
CREATE Practica01/tsconfig.spec.json (456 bytes)
CREATE Practica01/vscode/extensions.json (134 bytes)
CREATE Practica01/vscode/launch.json (490 bytes)
CREATE Practica01/vscode/mcp.json (191 bytes)
CREATE Practica01/vscode/tasks.json (1020 bytes)
CREATE Practica01/src/main.ts (228 bytes)
CREATE Practica01/src/index.html (309 bytes)
CREATE Practica01/src/styles.css (81 bytes)
CREATE Practica01/src/main.server.ts (300 bytes)
CREATE Practica01/src/server.ts (1677 bytes)
CREATE Practica01/src/app/app.spec.ts (708 bytes)
CREATE Practica01/src/app/app.ts (304 bytes)
CREATE Practica01/src/app/app.css (0 bytes)
CREATE Practica01/src/app/app.html (20446 bytes)
CREATE Practica01/src/app/app.config.ts (453 bytes)
CREATE Practica01/src/app/app.routes.ts (88 bytes)
CREATE Practica01/src/app/app.config.server.ts (438 bytes)
CREATE Practica01/src/app/app.routes.server.ts (174 bytes)
CREATE Practica01/public/favicon.ico (15086 bytes)
? Packages installed successfully.
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
```

```

ng serve (Practica01)  x + ~
CREATE Practica01/src/app/app.config.ts (453 bytes)
CREATE Practica01/src/app/app.routes.ts (80 bytes)
CREATE Practica01/src/app/app.config.server.ts (438 bytes)
CREATE Practica01/src/app/app.routes.server.ts (174 bytes)
CREATE Practica01/public/favicon.ico (15686 bytes)
/ Packages installed successfully.
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it
Successfully initialized git.

C:\Users\AlexVLBlade>cd Practica01
C:\Users\AlexVLBlade\Practica01>ng serve

Would you like to share pseudonymous usage data about this project with the Angular Team
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more
details and how to change this setting, see https://angular.dev/cli/analytics.

  Yes

Thank you for sharing pseudonymous usage data. Should you change your mind, the following
command will disable this feature entirely:

  ng analytics disable

Global setting: enabled
Local setting: enabled
Effective status: enabled
Browser bundles
Initial chunk files | Names | Raw size
main.js | main | 48.44 kB
styles.css | styles | 95 bytes
| Initial total | 48.53 kB

Server bundles
Initial chunk files | Names | Raw size
main.server.mjs | main.server | 49.79 kB
server.mjs | server | 1.81 kB
polyfills.server.mjs | polyfills.server | 243 bytes

Application bundle generation complete. [4.181 seconds] - 2026-01-16T16:49:49.929Z

Watch mode enabled. Watching for file changes...
NOTE: Raw file sizes do not reflect development server per-request transformations.
→ Local: http://localhost:4200/
→ press h + enter to show help
|

```

## Sección H – Crear un Proyecto en Angular

