



# PRÁCTICA 01-INSTALACIÓN DEL ENTORNO DE DESARROLLO

## APLICACIONES WEB

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e Innovación Digital

Fecha: 16/01/2026

## 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

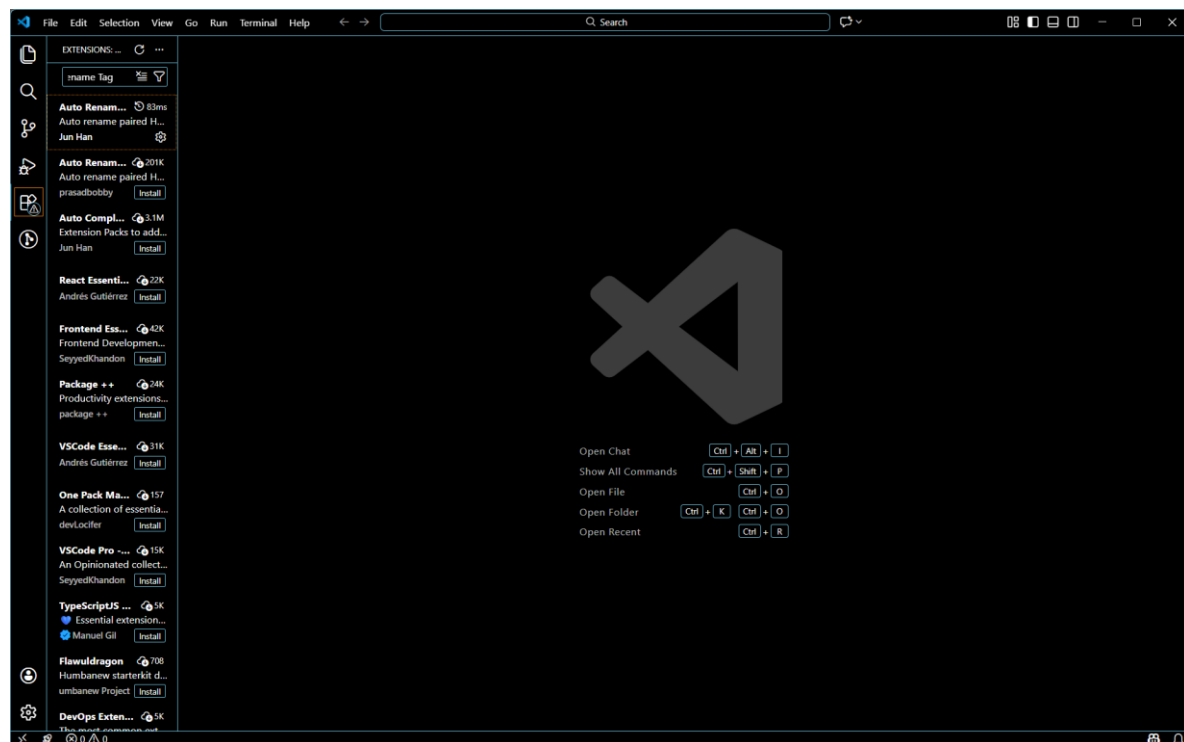
```
C:\Users\AlexVLBlade>ng version

Angular CLI
Node.js
Package Manager
Operating System

: 21.1.0
: 24.13.0
: npm 11.6.2
: win32 x64

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

## Sección C – Instalación de Visual Studio Code



## Sección D – Extensiones esenciales de VS Code

EXTENSIONS

ESLint

ESLint

Integrates ESLint JavaScript into VS Code

Microsoft

14ms

Install

Prettier ESLint

A Visual Studio Extension

Rebecca Vest

Install

eslint-disable

Simple snippets to disable ESLint rules

Adam Knox

Install

ESLint China

eslint中文规则引擎

maggie

Install

Prettier ESLint

Formats TypeScript code with Prettier and ESLint

Harrison Smith

Install

LintLens - ESLint

Augment your ESLint rules with LintLens

Sabriel McAdams

Install

Disable eslint

Disable ESLint for a specific file or folder

Woodhead

Install

VSCode Prettier

VSCode extension to format code with Prettier

exceptionpr

Install

ESLint Disable

Intelligently disable ESLint rules

hijaxuan

Install

lts-eslint

custom rule

f-eslint Extension

Install

Auto Restart

Restart TypeScript / ESLint when a file is saved

neotan

Install

ESLint Code

ESLint Code Snippets

221

Install

Release Notes: 1.10.8.1

Extension: ESLint

Search



## ESLint

Microsoft · microsoft.com · 47,614,271 · 4.5 (247)

Integrates ESLint JavaScript into VS Code.

DisableUninstallSwitch to Pre-Release VersionAuto Update

DETAILS

FEATURES

CHANGELOG

### VS Code ESLint extension

Azure Pipelines

Successful

Integrates **ESLint** into VS Code. If you are new to ESLint check the [documentation](#).

The extension uses the ESLint library installed in the opened workspace folder. If the folder doesn't provide one, the extension looks for a global install version. If you haven't installed ESLint either locally or globally, do so by running:

**Local install (recommended):**

```
# npm
npm install --save-dev eslint

# yarn
yarn add --dev eslint

# npm
npm add --save-dev eslint

# bun
bun add --dev eslint
```

**Global install:**

```
# npm
npm install -g eslint
```

Installation

Identifier	dbaeumer.vscode-eslint
Version	3.0.20
Last Updated	19 hours ago
Size	868.48KB

Marketplace

Published	10 years ago
Last Released	1 month ago

Categories

Programming Languages

Linters

Resources

Repository

Issues

License

Microsoft

Marketplace

EXTENSIONS

Material Icon

Material Icon Theme

Material Design Icons for Visual Studio Code

Philipp Kief

58ms

Install

Material Th...

Material Theme Icons L...

terial Theme

Install

Grubbox Ma...

Grubbox Material Icons

JonathanHarty

Install

Material Pro...

Product Icon Theme wi...

Philipp Kief

Install

Material Icon ...

Material Design Icons f...

simonhe

Install

Unofficial Mat...

Unofficial Material Des...

artalarita

Install

Helium Icon...

Helium and Material D...

Richard Ferreira

Install

Fira Code an...

Fira Code Font and Ma...

aleleba

Install

Material icon ...

Material Design Icons f...

abschill

Install

White Materia...

Material Design Icons f...

viphakorn

Install

FCD Material...

FCD Material Design Ic...

CyberWalrus

Install

Material Icon ...

Material Design Icons f...

1K

Install

Release Notes: 1.10.8.1

Extension: Material Icon Theme

Search



## Material Icon Theme

Philipp Kief · 32,400,663 · 4.9 (384) · Sponsor

Set File Icon ThemeDisableUninstallAuto Update

DETAILS

FEATURES

CHANGELOG

### Material Icon Theme

Material Design Icons for Visual Studio Code

VERSION

V9.30.0

RATING

4.9/5

INSTALLATIONS

>36M

Enjoying Material Icon Theme? Support the project by starring it or becoming a sponsor!

SPONSOR

GITHUB

STAR ON GITHUB

2.7K

File icons

Show all available file icons

Folder icons

Show all available folder icons

Table of Contents

Installation

Identifier	pkief.material-icon-theme
Version	9.30.0
Last Updated	19 hours ago
Size	1.70MB

Marketplace

Published	9 years ago
Last Released	3 weeks ago

Categories

Themes

Resources

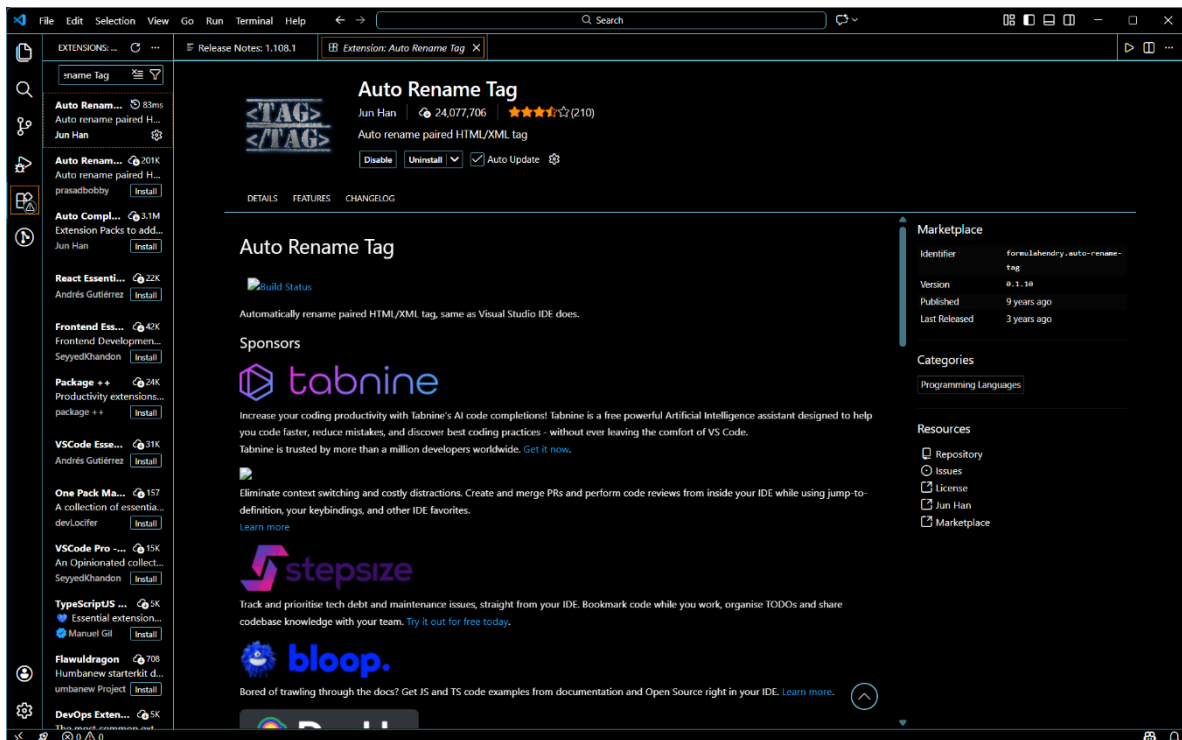
Repository

Issues

License

Philipp Kief

Marketplace



## 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>
```

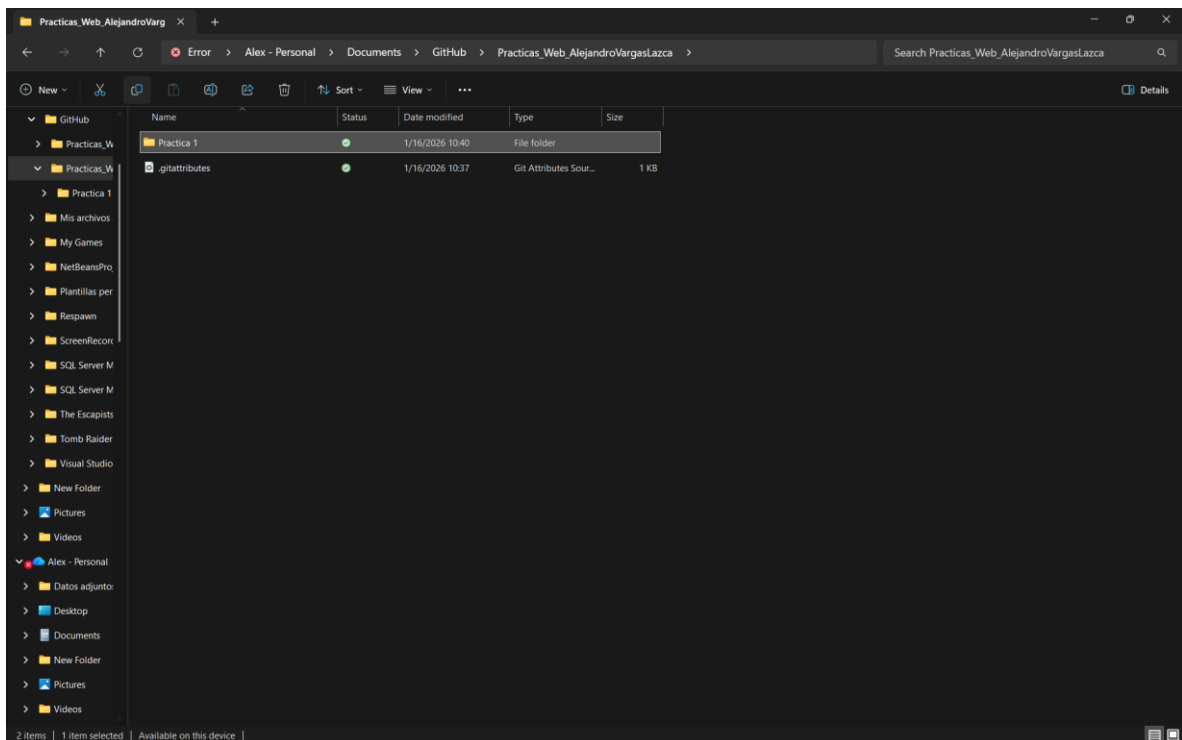
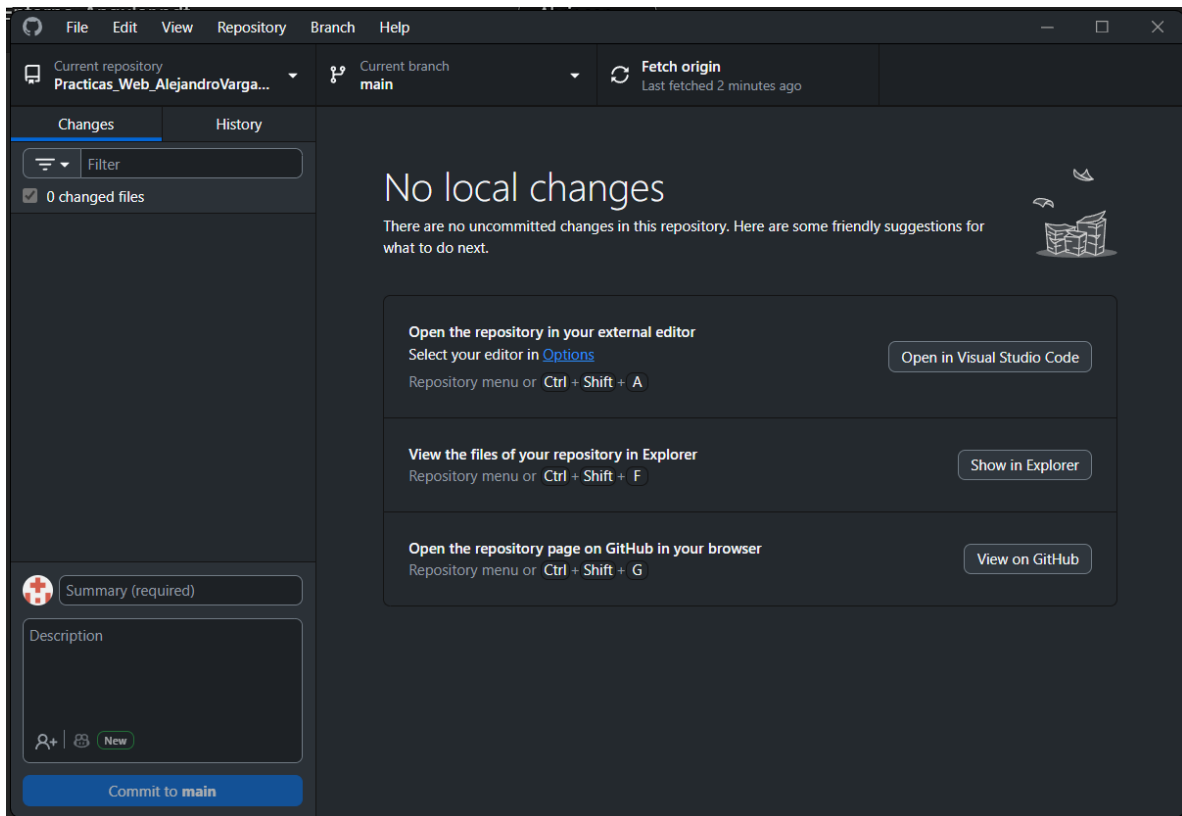
## Sección F – Instalación y configuración de Git

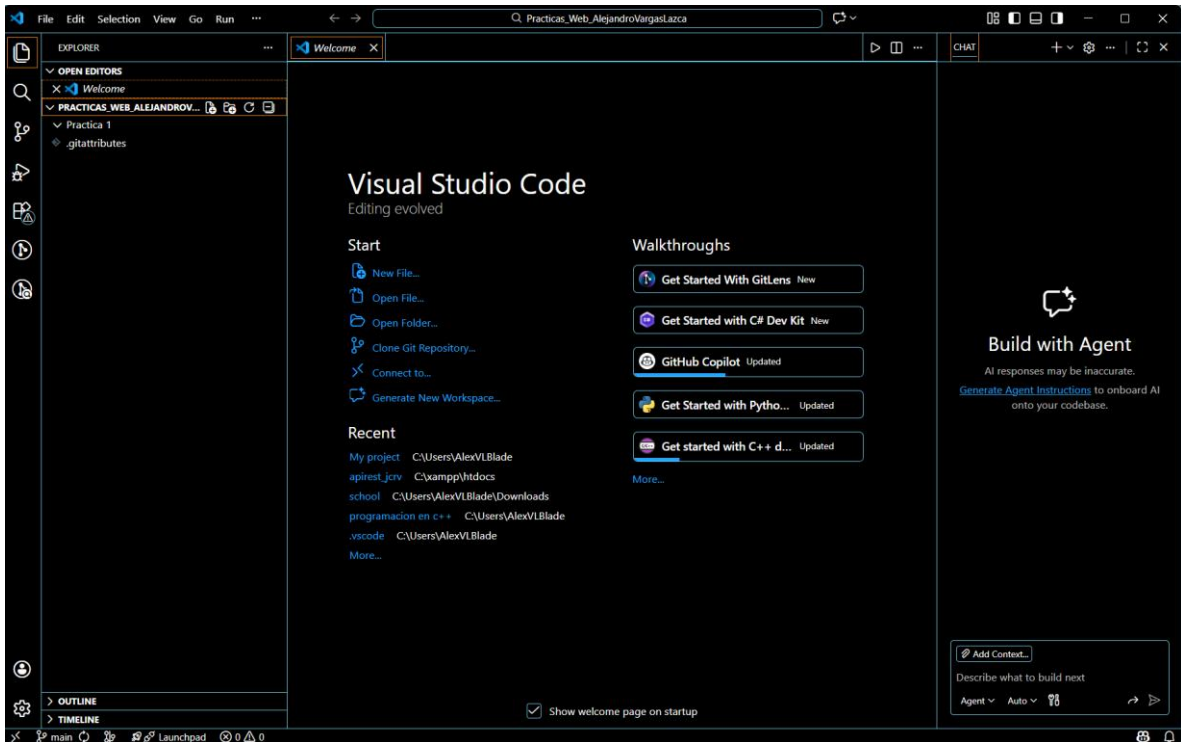
```
C:\Users\AlexVLBlade>git --version  
git version 2.51.2.windows.1
```

```
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 + -
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 (1198 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 (700 bytes)
CREATE Practica01/src/app/app.ts (380 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 (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 (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)
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 (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
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 | 49.70 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

