



**UNIVERSIDAD POLITECNICA
DE PACHUCA**

PRACTICA 1

**Carrera: Ingeniería en Tecnologías de la
información e innovación**

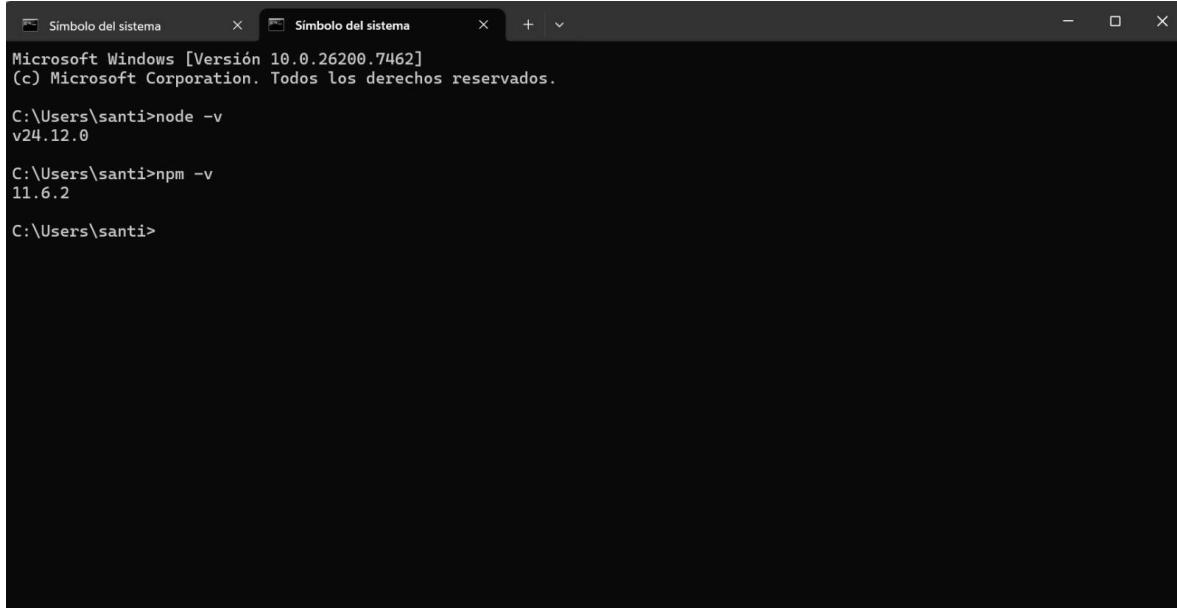
Materia: Aplicaciones Web

Catedrático: Diana Xochilt Ruano Vargas

Alumno: Santiago Rivera Tetetla

Fecha: 15/01/2026

Versiones de Node y Npm



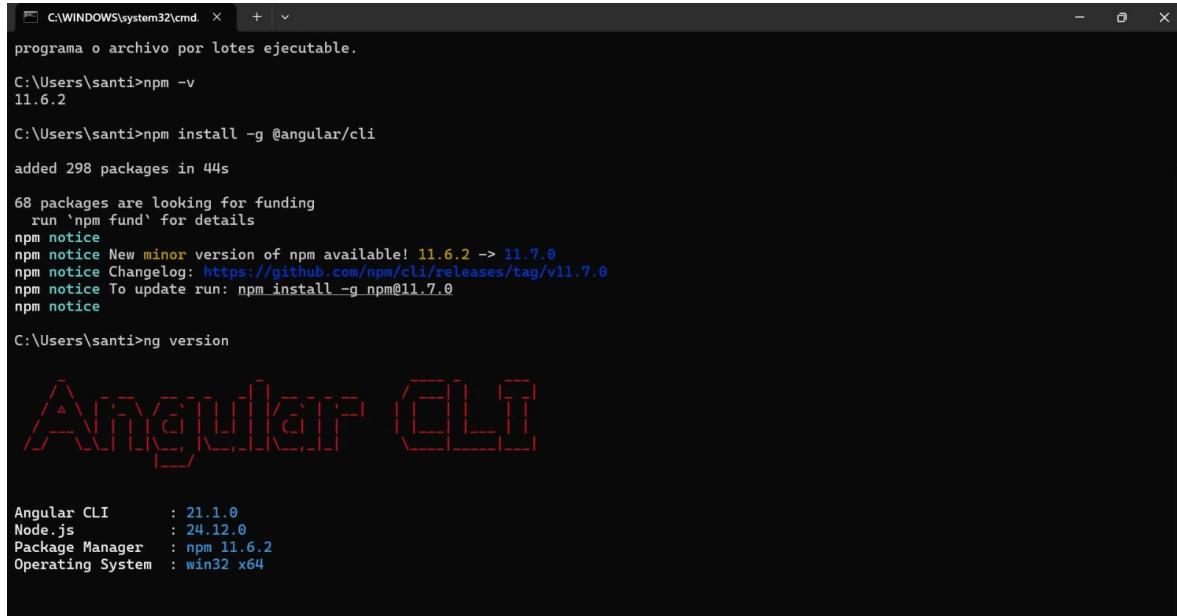
```
Microsoft Windows [Versión 10.0.26200.7462]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\santi>node -v
v24.12.0

C:\Users\santi>npm -v
11.6.2

C:\Users\santi>
```

versión de Angular CLI



```
C:\WINDOWS\system32\cmd. x + v
programa o archivo por lotes ejecutable.

C:\Users\santi>npm -v
11.6.2

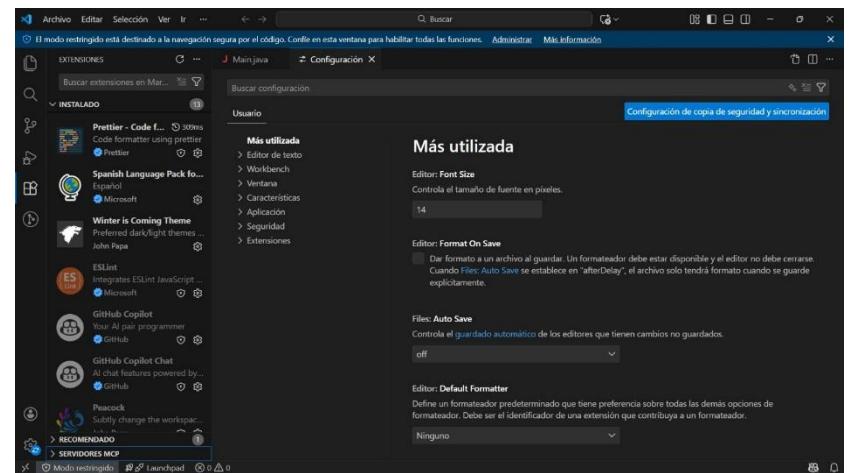
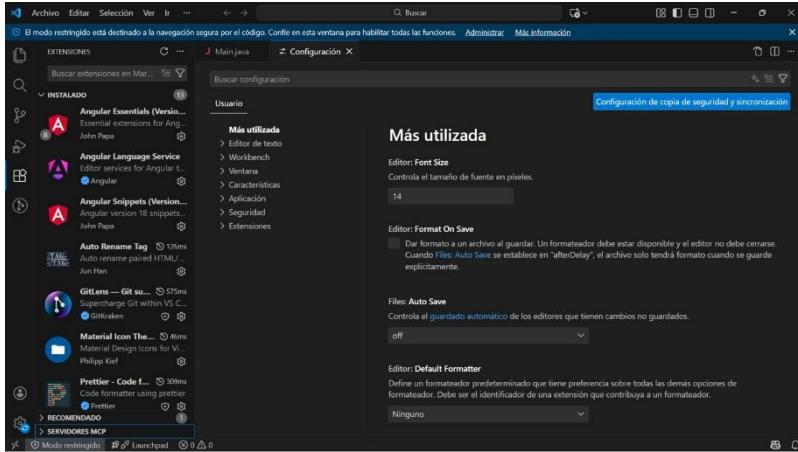
C:\Users\santi>npm install -g @angular/cli
added 298 packages in 44s

68 packages are looking for funding
  run `npm fund` for details
npm notice
npm notice New minor version of npm available! 11.6.2 => 11.7.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.7.0
npm notice To update run: npm install -g npm@11.7.0
npm notice

C:\Users\santi>ng version

Angular CLI      : 21.1.0
Node.js          : 24.12.0
Package Manager  : npm 11.6.2
Operating System : win32 x64
```

Extensiones de VS CODE



políticas de Seguridad Desactivadas

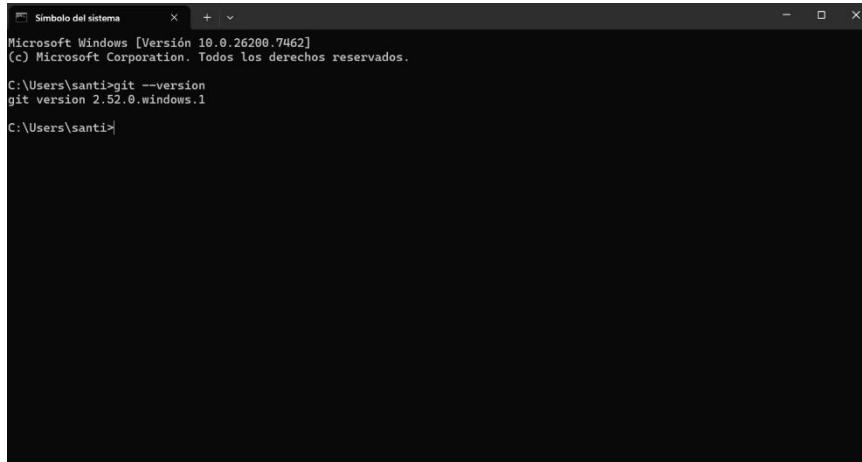
```
[+] Administrador: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

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

Cambio de directiva de ejecución
La directiva de ejecución te ayuda a protegerte de scripts en los que no confías. Si cambias dicha directiva, podrías exponerte a los riesgos de seguridad descritos en el tema de la Ayuda about_Execution_Policies en https://go.microsoft.com/fwlink/?LinkId=135170. ¿Quieres cambiar la directiva de ejecución?
[S] Sí [O] sí a todo [N] No [T] No a todo [U] Suspender [?] Ayuda (el valor predeterminado es "N"): O
PS C:\WINDOWS\system32>
```

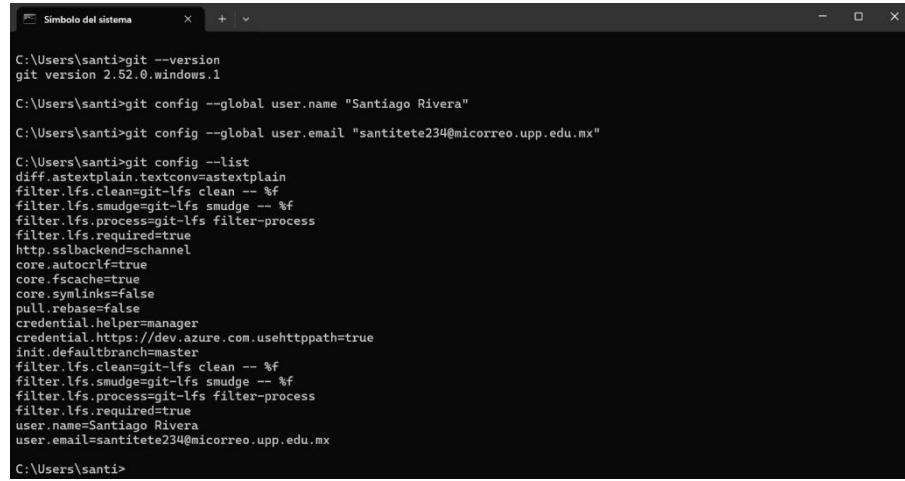
Git Instalado y Configurado



```
Microsoft Windows [Versión 10.0.26200.7462]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\santi>git --version
git version 2.52.0.windows.1

C:\Users\santi>
```



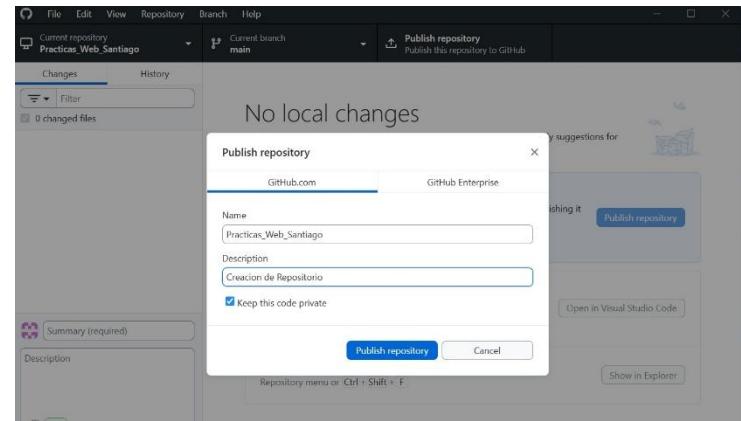
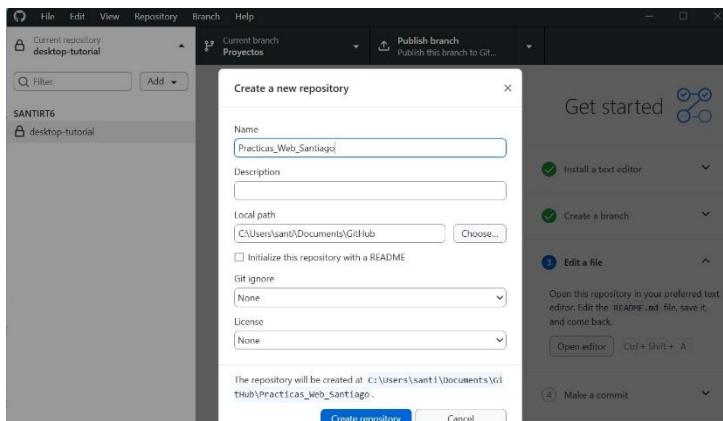
```
C:\Users\santi>git --version
git version 2.52.0.windows.1

C:\Users\santi>git config --global user.name "Santiago Rivera"
C:\Users\santi>git config --global user.email "santitete234@micorreo.upp.edu.mx"

C:\Users\santi>git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=ssllink
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com/usehttppath=true
init.defaultbranch=master
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
user.name=Santiago Rivera
user.email=santitete234@micorreo.upp.edu.mx

C:\Users\santi>
```

Repositorio en GitHub Destok



Angular Funcionando

The image shows two terminal windows side-by-side. Both are running the command `ng serve` in a directory named "Practical".

Terminal 1 (Left):

```
PS C:\Users\santi\Documents\GitHub\Practices_Web_Santiago> ng serve
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
  git config --global angular.analytics.enabled false
Initial chunk files | Names | Raw size
main.js | main | 48.49 kB
styles.css | styles | 95 bytes
Initial total | 48.58 kB

Server bundles
Initial chunk files | Names | Raw size
main-server.mjs | main-server | 40.75 kB
server.mjs | server | 1.81 kB
polyfills.server.mjs | polyfills.server | 243 bytes

Application bundle generation complete. [4.320 seconds] - 2025-01-16T00:11:45.069Z
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
```

Terminal 2 (Right):

```
PS C:\Users\santi\Documents\GitHub\Practices_Web_Santiago> cd Practical
PS C:\Users\santi\Documents\GitHub\Practices_Web_Santiago> ng new Practical
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 Service Worker and Static Site Generation (SSG/Pre-rendering)? Yes
  ✓ What AI features do you want to configure with Angular best practices? https://angular.dev/ai/develop-with-ai None
CREATE Practical/angular.json (2145 bytes)
CREATE Practical/package.json (1187 bytes)
CREATE Practical/README.md (1521 bytes)
CREATE Practical/tsconfig.json (98 bytes)
CREATE Practical/tsconfig.lib.json (101 bytes)
CREATE Practical/globals.d.ts (666 bytes)
CREATE Practical/tsconfig.app.json (464 bytes)
CREATE Practical/tsconfig.spec.json (458 bytes)
CREATE Practical/vscode/extensions.json (134 bytes)
CREATE Practical/vscode/icon.json (131 bytes)
CREATE Practical/vscode/mcs.json (191 bytes)
CREATE Practical/vscode/tasks.json (1020 bytes)
CREATE Practical/src/main.ts (228 bytes)
CREATE Practical/src/index.html (308 bytes)
CREATE Practical/src/styles.css (81 bytes)
```



Hola, Práctica1

¡Felicitaciones! Tu aplicación ya está funcionando.

Explorar los documentos

Aprende con tutoriales

Prácticas recomendadas y rápidas para la IA

Documentos de CLI

Servicio de lenguaje angular

Herramientas de desarrollo angulares



MONGO DB

