



## **ALGORITMOS Y ESTRUCTURAS DE DATOS**

ASIGNATURA:  
PROFESOR:  
PERÍODO ACADÉMICO

Algoritmos y Estructuras de Datos  
Ing. Lorena Chulde

### **EJERCICIOS**

### **TÍTULO**

### **CONFIGURACIÓN DE HERRAMIENTAS**

ESTUDIANTE



**github**  
SOCIAL CODING

## Objetivos

Realizar la instalación del repositorio de versión de código fuente Git mediante la descarga de la herramienta en el sitio oficial para respaldar el código fuente de los ejercicios, laboratorios y tareas de la asignatura.

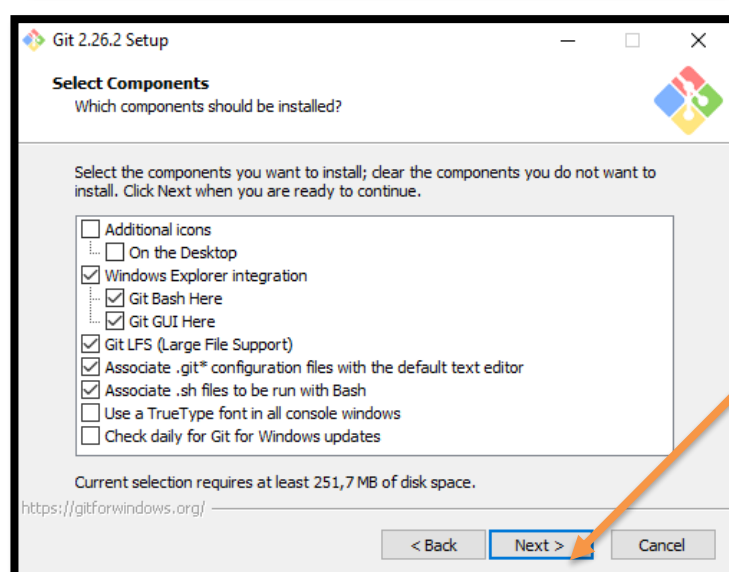
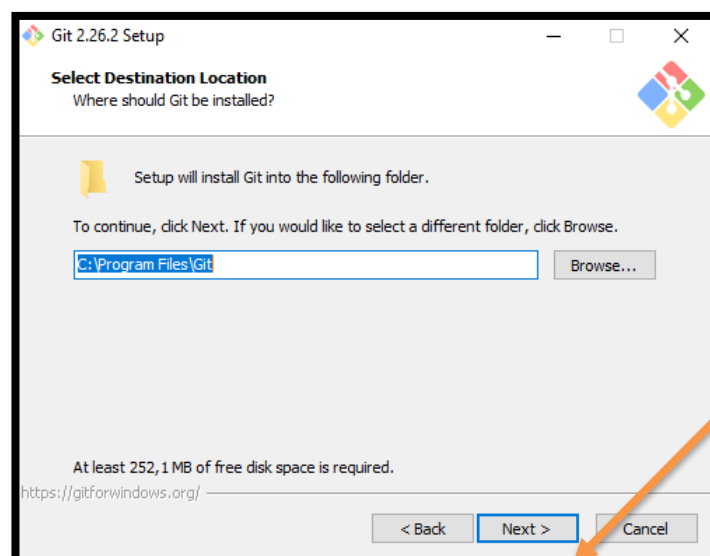
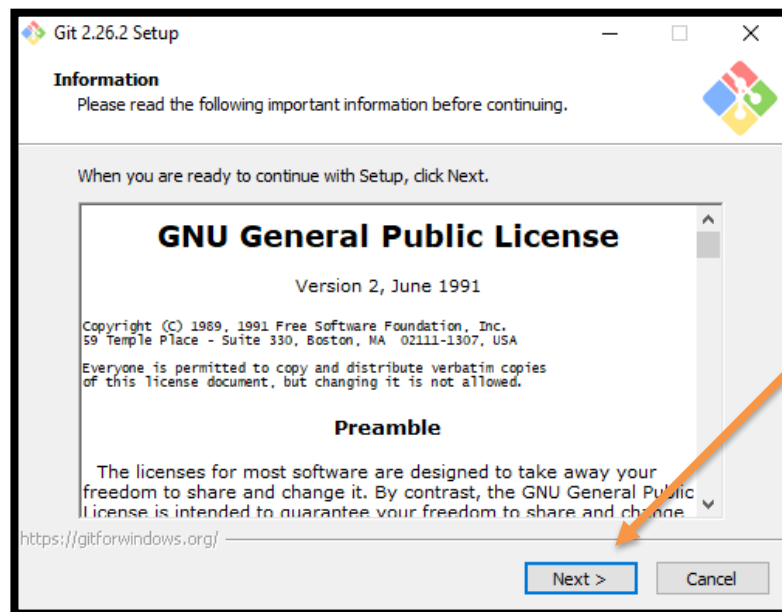
## Objetivos específicos:

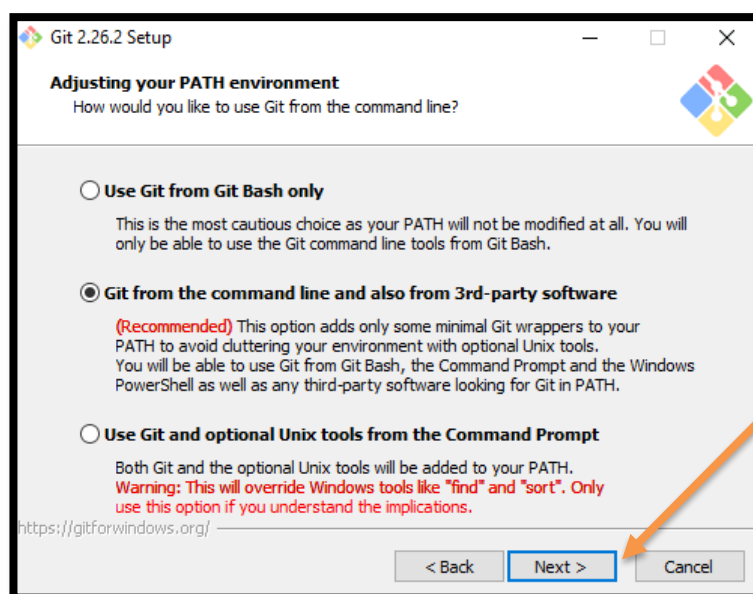
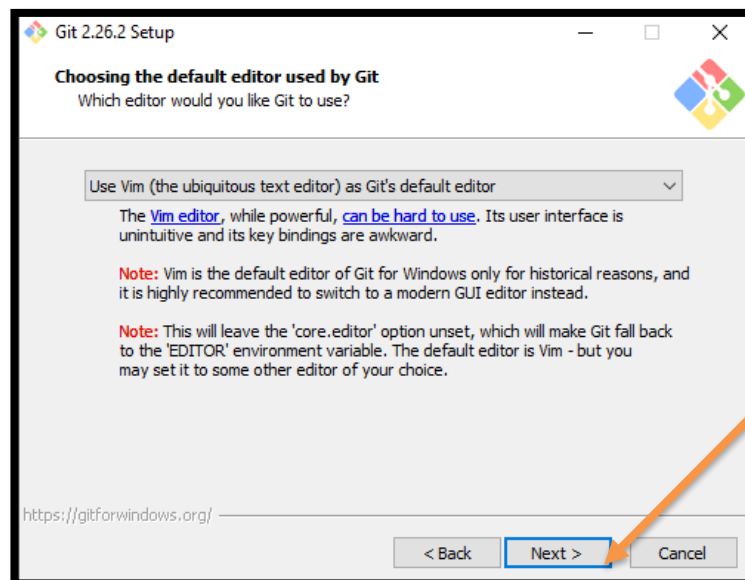
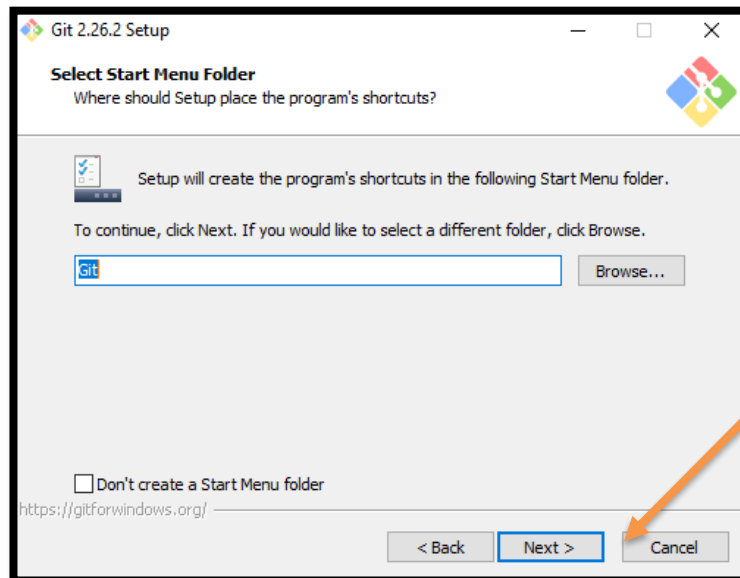
Realizar capturas de pantalla de la ejecución de los programas requeridos para su instalación, los cuales deben estar documentados en el formato de deberes.

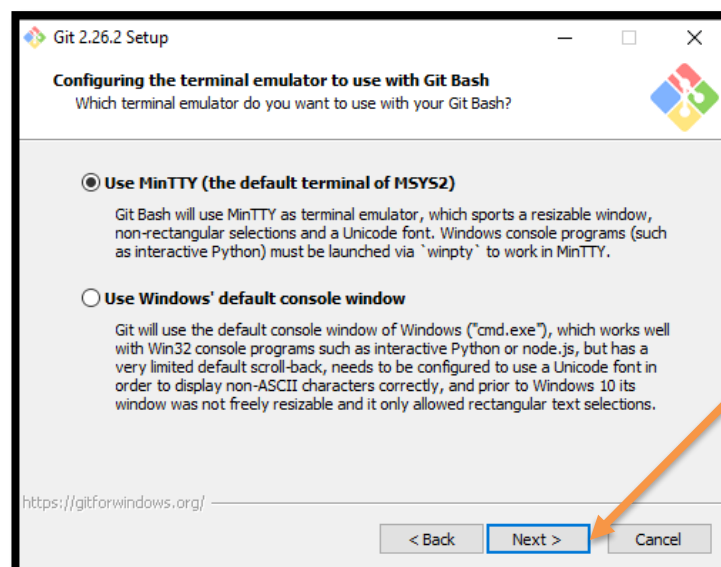
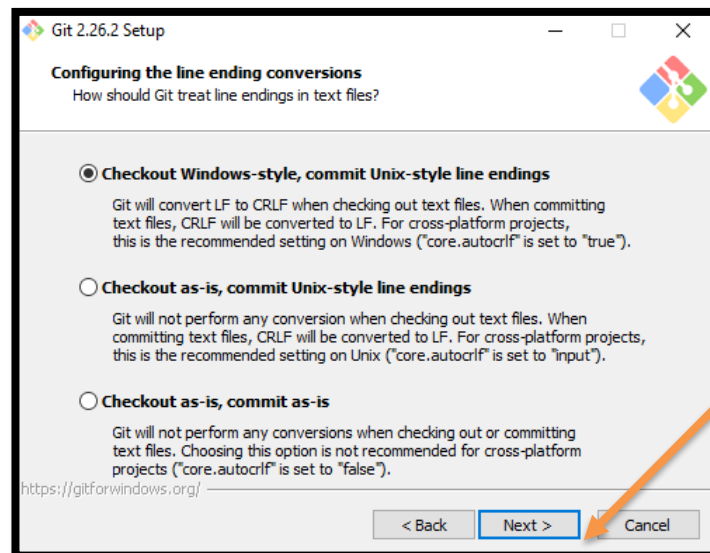
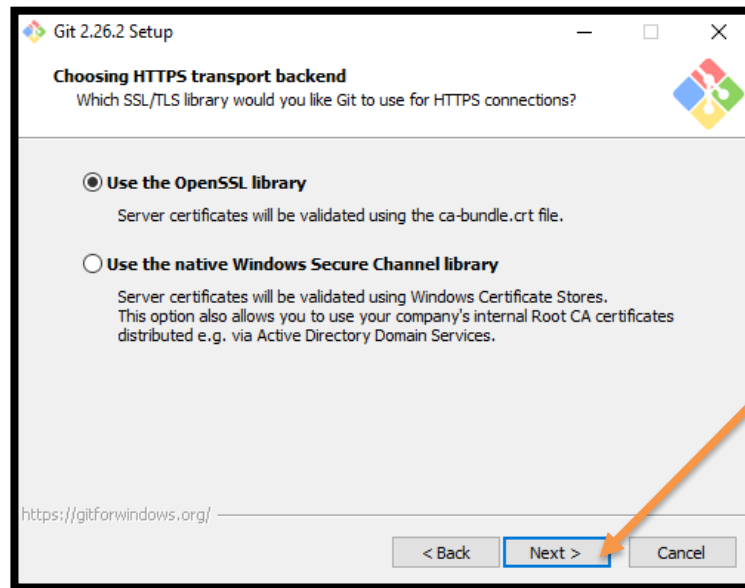
### 1. DESCARGAR GIT

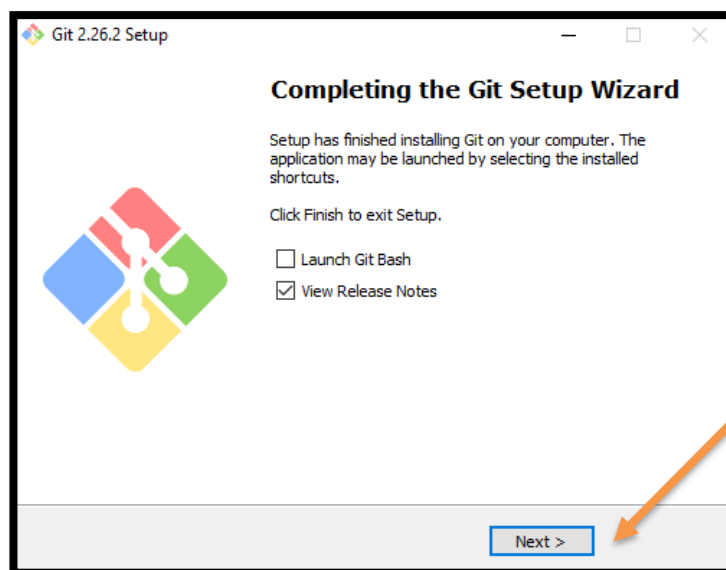
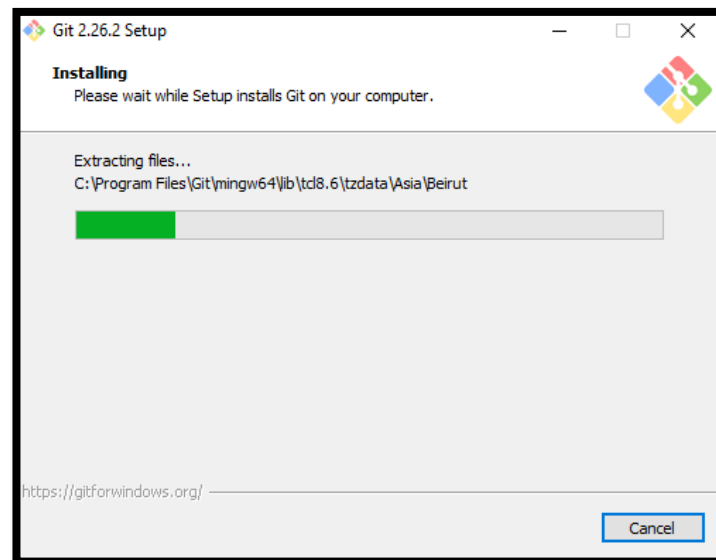
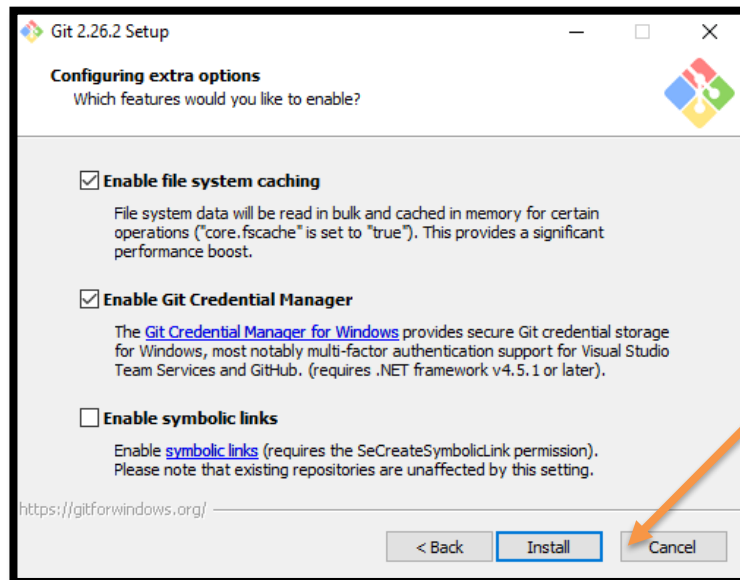
<https://git-scm.com/>



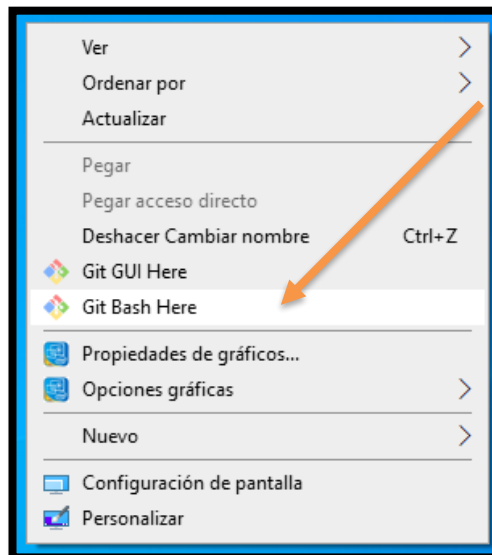








Verificar haciendo clic derecho en el escritorio de tu computadora



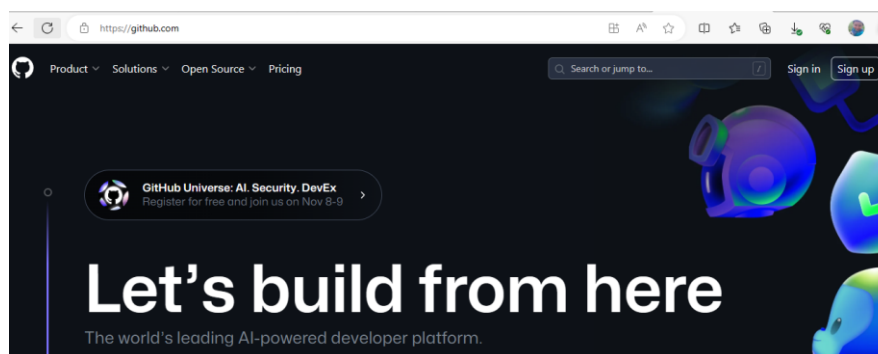
Ejecutar el siguiente comando:

> git --version

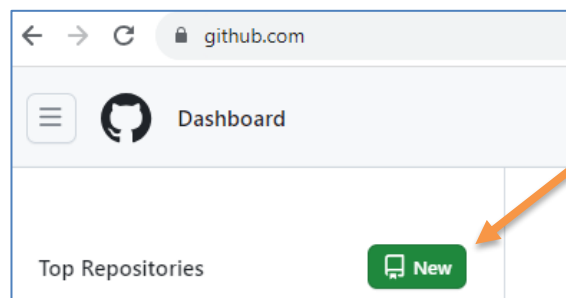
```
PS C:\Windows\system32> git --version
git version 2.40.1.windows.1
PS C:\Windows\system32>
```

## 2. CREAR UNA CUENTA EN GITHUB

<https://github.com/>



### 3. CREAR UN REPOSITORIO NUEVO EN GIT



**Create a new repository**

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

*Required fields are marked with an asterisk (\*).*

Owner \*  LorenaChulde  / Repository name \*  estructuras-datos-2023-B   
✔ estructuras-datos-2023-B is available.

Great repository names are short and memorable. Need inspiration? How about [bookish-broccoli](#) ?

Description (optional)

☒ **Public**  Anyone on the internet can see this repository. You choose who can commit.   
☐ **Private**  You choose who can see and commit to this repository.

Initialize this repository with:

☐ **Add a README file**  
This is where you can write a long description for your project. [Learn more about READMEs.](#)

**Add .gitignore**  
 .gitignore template: None   
Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

**Choose a license**  
 License: None   
A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

ⓘ  You are creating a public repository in your personal account.

**Create repository**

### 4. SEGUIR LAS INSTRUCCIONES INDICADAS POR GIT

Ejecutar en la terminal de Power Shell, los comandos sugeridos por Git

Crear el repositorio con su nombre, ejemplo: **ED-NA-2023-B**



The screenshot shows the GitHub repository page for 'estructuras-datos-2023-B'. At the top, there are buttons for 'Pin', 'Unwatch 1', 'Fork 0', and 'Star 0'. Below this, there are two main sections: 'Set up GitHub Copilot' and 'Add collaborators to this repository'. The 'Quick setup' section provides instructions for creating a new repository, including a list of commands to run in the terminal. An orange arrow points to the command 'git branch -M main'.

estructuras-datos-2023-B Public

Pin Unwatch 1 Fork 0 Star 0

**Set up GitHub Copilot**  
Use GitHub's AI pair programmer to autocomplete suggestions as you code.  
Get started with GitHub Copilot

**Add collaborators to this repository**  
Search for people using their GitHub username or email address.  
Invite collaborators

**Quick setup — if you've done this kind of thing before**

Set up in Desktop or HTTPS SSH <https://github.com/LorenaChulde/estructuras-datos-2023-B.git>

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

**...or create a new repository on the command line**

```
echo "# estructuras-datos-2023-B" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/LorenaChulde/estructuras-datos-2023-B.git
git push -u origin main
```

**...or push an existing repository from the command line**

```
git remote add origin https://github.com/LorenaChulde/estructuras-datos-2023-B.git
git branch -M main
git push -u origin main
```

**5. MOSTRAR LAS PANTALLAS DE LA EJECUCIÓN DE COMANDO SI GER DAD POR G THUB, SEGU R ESOS PASOS HASTA QUE SU PROYECTO SE CARGUE EN EL REPOSITORI O**

The image shows a composite of three elements related to Git installation on Windows:

- Top Left:** A portion of the Git website showing the logo and navigation links like "Acerca de", "Documentación", "Descargas", and "Comunidad".
- Top Center:** A screenshot of the "Git 2.43.0 Setup" window. It displays the "GNU General Public License" text, including the version (2, June 1991), copyright information (© 1989, 1991 Free Software Foundation, Inc.), and the preamble. The "Next" button is highlighted.
- Bottom:** A screenshot of a Windows terminal window. The prompt is `karly@DESKTOP-29MM4J9 MINGW64 ~`. The command `$ git --version` has been entered, and the output is `git version 2.43.0.windows.1`.

Below the terminal window, there is a screenshot of the GitHub repository page for "estructuras-datos-2023-B" by user "Kay-Rodríguez". The page shows options to configure the repository, add collaborators, and a section for "Configuración rápida" (Quick configuration) with links to create a new repository or clone an existing one.

### ...o crear un nuevo repositorio en la línea de comando

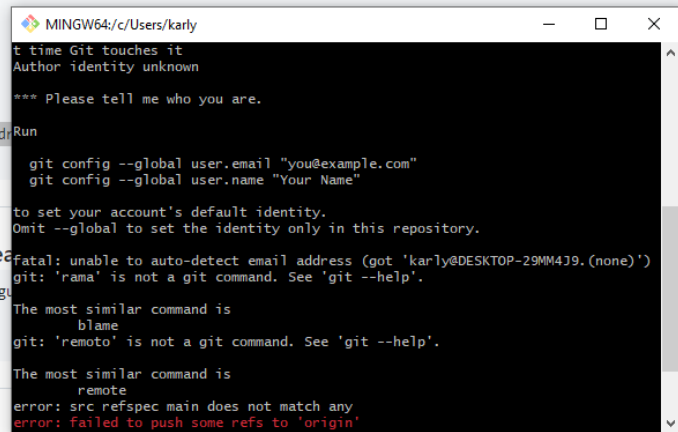
```
echo "# estructuras-datos-2023-B" >> README.md
git init
git add README.md
git commit -m "primer compromiso"
git branch -M principal
git remote agregar origen https://github.com/Kay-Rodriguez/estructuras-datos-2023-B
git push -u origin main
```

### ...o enviar un repositorio existente desde la línea de comando

```
git remote agregar origen https://github.com/Kay-Rodriguez/estructuras-datos-2023-B
git branch -M principal
git push -u origin principal
```

### ...o importar código desde otro repositorio

Puede inicializar este repositorio con código de un proyecto Subversion, Mercurial o TFS.



```
MINGW64/c/Users/karly
t time Git touches it
Author identity unknown

*** Please tell me who you are.

git config --global user.email "you@example.com"
git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'karly@DESKTOP-29MM4J9.(none)')
git: 'rama' is not a git command. See 'git --help'.

The most similar command is
  blame
git: 'remoto' is not a git command. See 'git --help'.

The most similar command is
  remote
error: src refspec main does not match any
error: failed to push some refs to 'origin'
```

## ...o crear un nuevo repositorio en la línea de comando

```
echo "# estructuras-datos-2023-B" >> README.md
git init
git add README.md
git commit -m "primer compromiso"
git branch -M principal
git remote agregar origen https://github.com/Kay-Rodriguez/estructuras-datos-2023-B.git
git push -u origin main
```

## ...o enviar un repositorio existente desde la línea de comando

```
git remote agregar origen https://github.com/Kay-Rodriguez/estructuras-datos-2023-B.git
git branch -M principal
git push -u origin principal
```

## ...o importar código desde otro repositorio

Puede inicializar este repositorio con código de un proyecto Subversion, Mercurial o TFS.

Código de importación

```
The most similar command is
blame
git: 'remoto' is not a git command. See 'git --help'.

The most similar command is
remote
error: src refspec main does not match any
error: failed to push some refs to 'origin'

karly@DESKTOP-29MM4J9 MINGW64 ~ (main)
$

karly@DESKTOP-29MM4J9 MINGW64 ~ (main)
$ KARLA-RODRIGUEZ-2023-B
bash: KARLA-RODRIGUEZ-2023-B: command not found

karly@DESKTOP-29MM4J9 MINGW64 ~ (main)
$

karly@DESKTOP-29MM4J9 MINGW64 ~ (main)
$ |
```

```
karly@DESKTOP-29MM4J9 MINGW64 ~ (main)
$ echo "# estructuras-datos-2023-B" >> KA-RO-2023-B.md
$ git init
$ git add KA-RO-2023-B.md
$ git commit -m "primer REPOSITORIO"
$ git branch -M principal
$ git remote add origin https://github.com/Kay-Rodriguez/estructuras-datos-2023-B.git
$ git push -u origin main
Reinitialized existing Git repository in C:/Users/karly/.git/
warning: in the working copy of 'KA-RO-2023-B.md', LF will be replaced by CRLF the next time Git touches it
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.
```

## PRESENTACIÓN

Al finalizar tu laboratorio deberá subir:

- Un archivo en formato pdf con el nombre  
(Laboratorio2\_Estructuras Datos\_NApellido)

## RECURSOS NECESARIOS

- Visual Studio Code
- Python
- Material de clase

## CONCLUSIONES

En conclusión este programa nos ayuda hacer nuestro primer repositorio en github aprendiendo así mas del programa