

1. En la consola de Jenkins en el Home se hace click en “New Item”




+ New Item

👤 People


2. Nombre del Job
3. Freestyle Project
4. Ok

Enter an item name


» A job already exists with the name 'Ejercicio Practico Jenkins'

**Freestyle project**


This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

**Pipeline**


Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.

**Multi-configuration project**


Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.

**Folder**

Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.


**Multibranch Pipeline**

Creates a set of Pipeline projects according to detected branches in one SCM repository.

**Organization Folder**

Creates a set of multibranch project subfolders by scanning for repositories.

If you want to create a new item from other existing, you can use this option:



Copy from

OK

5. Descripción de lo que debe hacer el Job

General

Enabled 

Description

```
1. Crear un job que haga lo siguiente:  
1.1. Descargue el proyecto de la rama master  
1.2. Compile el proyecto  
1.3. Genere el archivo .jar del proyecto
```

[Plain text] [Preview](#)

6. Selecciono Git

7. La url que vamos a clonar

8. Y la rama donde están los archivos.

Source Code Management

☐ None

☒ Git [?](#)

Repositories [?](#)

Repository URL [?](#)

https://github.com/vero0311/calculator

Credentials [?](#)

- none -

+ Add

Advanced...

Add Repository

Branches to build [?](#)

Branch Specifier (blank for 'any') [?](#)

*/master

Add Branch

9. Build Steps

10. Selecciono la terminal de Windows Batch

11. Se escribe el paso a paso de lo que debe hacer el Job.

- Entrar en la carpeta src.
- Mostrar el path
- Compilar el código
- Crear el txt del Manifest
- Agregar el Main-Class con el nombre del archivo al manifest
- Crear el archivo .jar

Build Steps

Execute Windows batch command ?

Command

See [the list of available environment variables](#)

```
cd src
cd
javac Calculator.java
fsutil file createnew Manifest.txt 0
echo Main-class: Calculator> Manifest.txt
jar cfm MyJarCalculator.jar Manifest.txt Calculator.class
```

Advanced...

Add build step ▾

Post-build Actions

Add post-build action ▾

Save

Apply

12. En el job le doy Build Now para ejecutar.

13. Y puedo consultar el resultado de la ejecución.

↑ Back to Dashboard

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Build History

trend ▾

Filter builds...

#20

Nov 1, 2022, 3:41 PM

Project Ejercicio Practico Jenkins

1. Crear un job que haga lo siguiente:
 - 1.1. Descargue el proyecto de la rama master
 - 1.2. Compile el proyecto
 - 1.3. Genere el archivo .jar del proyecto

Permalinks

- [Last build \(#20\), 28 min ago](#)
- [Last stable build \(#20\), 28 min ago](#)
- [Last successful build \(#20\), 28 min ago](#)
- [Last failed build \(#11\), 1 hr 43 min ago](#)
- [Last unsuccessful build \(#11\), 1 hr 43 min ago](#)
- [Last completed build \(#20\), 28 min ago](#)

14. Le doy en Console Output

↑ Back to Project

☰ Status

</> Changes

🔗 Console Output

📄 Edit Build Information

🗑 Delete build '#20'

📦 Git Build Data

← Previous Build



Build #20 (Nov 1, 2022, 3:41:11 PM)



No changes.



Started by user [John Arango](#)



Revision: b2ec49664e0aa02b087274ba23f09bd99629c530

Repository: <https://github.com/vero0311/calculator>

- refs/remotes/origin/master

15. Y ya tenemos el resultado de la ejecución del primer job.



Console Output

```
Started by user John Arango
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins\.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/vero0311/calculator # timeout=10
Fetching upstream changes from https://github.com/vero0311/calculator
> git --version # timeout=10
> git --version # 'git version 2.38.0.windows.1'
> git fetch --tags --force --progress -- https://github.com/vero0311/calculator +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse 'refs/remotes/origin/master^{commit}' # timeout=10
Checking out Revision b2ec49664e0aa02b087274ba23f09bd99629c530 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f b2ec49664e0aa02b087274ba23f09bd99629c530 # timeout=10
Commit message: "Calculator project"
> git rev-list --no-walk b2ec49664e0aa02b087274ba23f09bd99629c530 # timeout=10
[Ejercicio Practico Jenkins] $ cmd /c call C:\windows\TEMP\Jenkins6341191740335821600.bat

C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins>cd src

C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins\src>cd
C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins\src

C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins\src>javac Calculator.java

C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins\src>fsutil file createnew Manifest.txt 0
Error: The file exists.

C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins\src>echo Main-class: Calculator 1>Manifest.txt

C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins\src>jar cfm MyJarCalculator.jar Manifest.txt Calculator.class

C:\ProgramData\Jenkins\jenkins\workspace\Ejercicio Practico Jenkins\src>exit 0
Finished: SUCCESS
```