

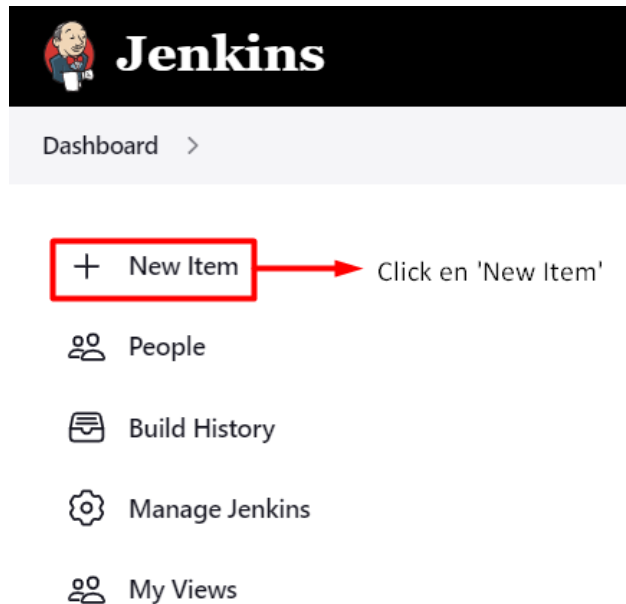
Activity 1

Overview:

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

Step by step:

1. Click on 'New Item'




Enter an item name

2. Name the Project

Actividad 1.0

» *Required field*

3. Click on 'Freestyle Project'

 **Freestyle project**

This is the central feature of Jenkins. Jenkins will build something other than software build.

4. Type in a description for your project:

General

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](#)

5. Scroll down to 'Source code management'

Source Code Management

☐ None

☒ Git ?

6. Click on Git

Repositories ?

7. Enter the Repo's Link

Repository URL ?

`https://github.com/vero0311/calculator`

8. Choose the branch:

Branches to build ?

Branch Specifier (blank for 'any') ?

`*/master`

9. Scroll down to 'Add build step' and click on add steps:

Build Steps

Add build step ^

Filter

Execute Windows batch command

Execute shell

Invoke Ant

Invoke Gradle script



Invoke top-level Maven targets

Run with timeout

Set build status to "pending" on GitHub commit

10. Choose the appropriate Kernel manipulator for your OS, in my case since I'm using Windows, it will be Windows Batch command.
11. Enter the batch commands for the job:

Build Steps

 **Execute Windows batch command** 

Command

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

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

1

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1. Change directory to src (the .java file location)
2. Compile the .java file into a .class file
3. Create the Manifest.txt file
4. Input the string "Main-Class: Calculator" into the Manifest.txt file
5. Create the .jar file name MyCalculator using the manifest and the .class file

12. Scroll to the bottom of the page and click save


Post-build Actions


Add post-build action ▼


Save


Apply


13. Click on 'Build Now'


 [Back to Dashboard](#)


 [Status](#)


 [Changes](#)



 [Workspace](#)

 [Build Now](#)

 [Configure](#)

 [Delete Project](#)

 [Rename](#)

 [Build History](#) [trend](#) 

Job Output:

```

Started by user Felipe
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\.jenkins\workspace\Actividad 1.0
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/vero0311/calculator
> git init C:\ProgramData\Jenkins\.jenkins\workspace\Actividad 1.0 # 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 config remote.origin.url https://github.com/vero0311/calculator # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> 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"
First time build. Skipping changelog.
[Actividad 1.0] $ cmd /c call C:\windows\TEMP\jenkins15124085163616971995.bat

C:\ProgramData\Jenkins\.jenkins\workspace\Actividad 1.0>cd src

C:\ProgramData\Jenkins\.jenkins\workspace\Actividad 1.0\src>javac Calculator.java

C:\ProgramData\Jenkins\.jenkins\workspace\Actividad 1.0\src>fsutil file createnew Manifest.txt 0
File C:\ProgramData\Jenkins\.jenkins\workspace\Actividad 1.0\src\Manifest.txt is created

C:\ProgramData\Jenkins\.jenkins\workspace\Actividad 1.0\src>echo Main-Class: Calculator 1>Manifest.txt

C:\ProgramData\Jenkins\.jenkins\workspace\Actividad 1.0\src>jar cfm MyCalculator.jar Manifest.txt Calculator.class

```

```
C:\ProgramData\Jenkins\.jenkins\workspace\Actividad 1.0\src>exit 0  
Finished: SUCCESS
```