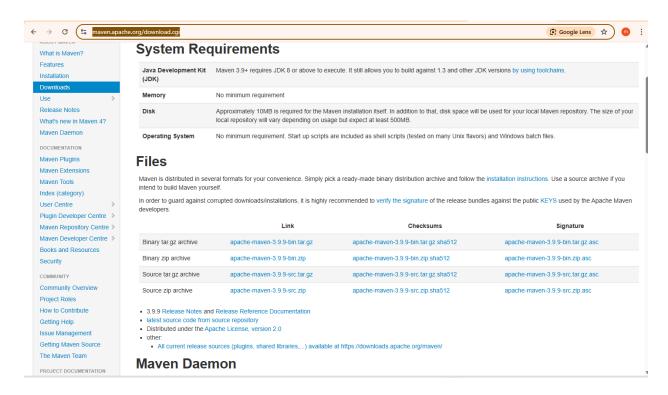
#### **MAVEN**

- 1. Git Bash
- 2. Github
- 3. Gitlab
- 4. Jenkins
- 5. Maven
- 6. Dockers
- 7. Ansible

## Pythoon, html, java files

## https://maven.apache.org/download.cgi

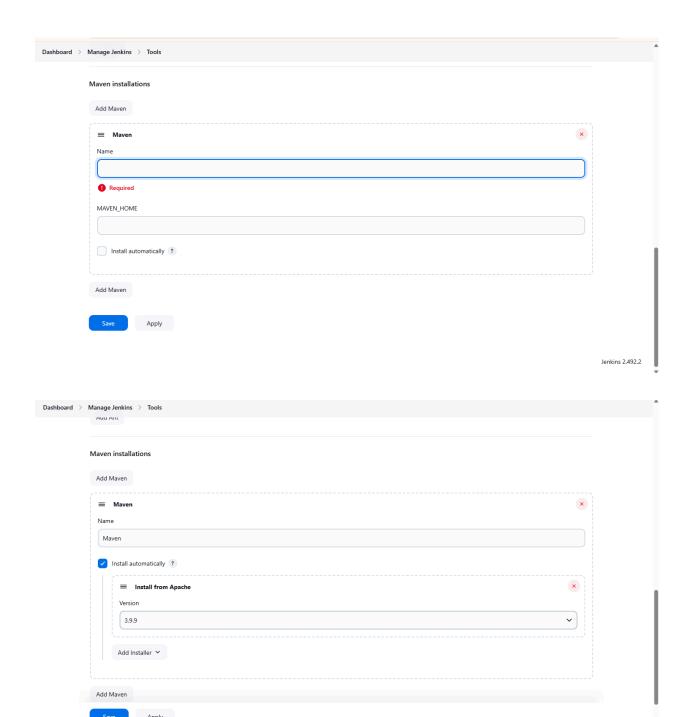


Files -> Binary Zip Archive → Link

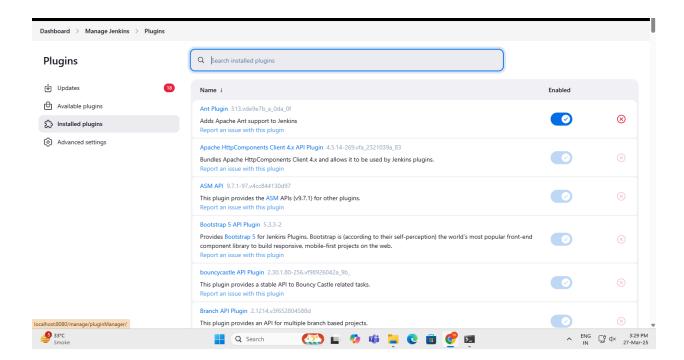
Extract this and save it to c drive add to environment variable

Check in cmd

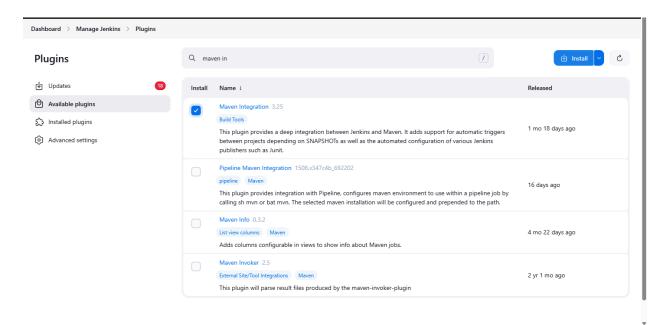
Write command: mvn -version



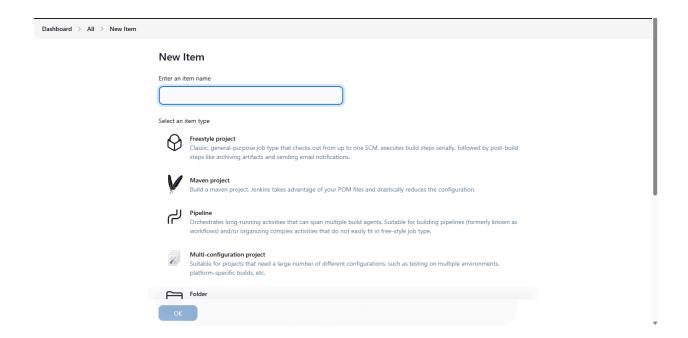
Remove the tick marks



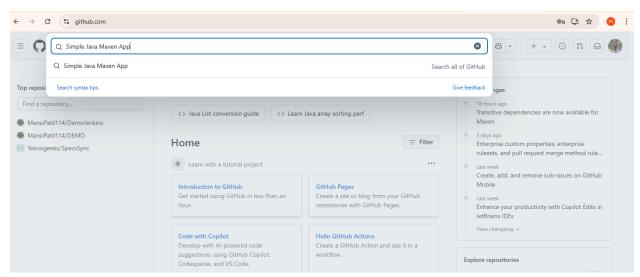
# Install Maven Plugins



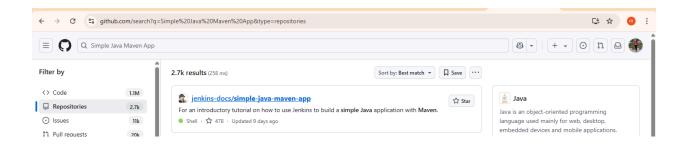
# Create Project



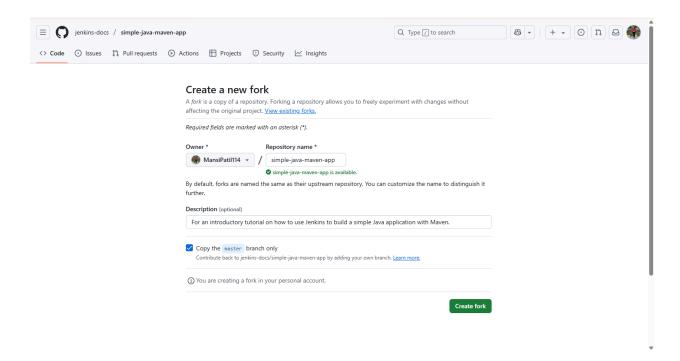
# **GITHUB**



#### .Slect it



#### Create fork



## Added to my repository

Clone to it to this device for local storage

```
C:\>git clone https://github.com/MansiPatil114/simple-java-maven-app.git
Cloning into 'simple-java-maven-app'...
remote: Enumerating objects: 241, done.
Rremote: Total 241 (delta 0), reused 0 (delta 0), pack-reused 241 (from 1)
Receiving objects: 100% (241/241), 65.37 KiB | 5.45 MiB/s, done.
Resolving deltas: 100% (79/79), done.

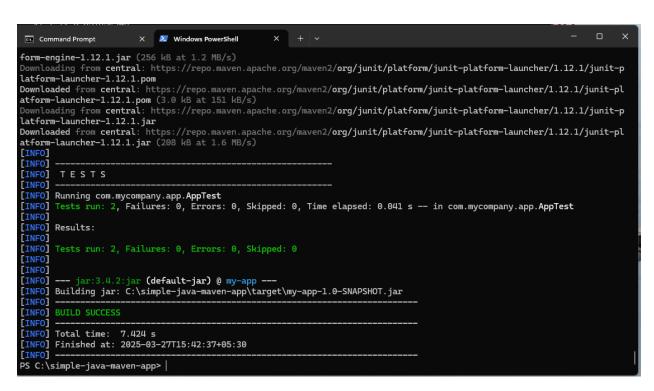
C:\>
```

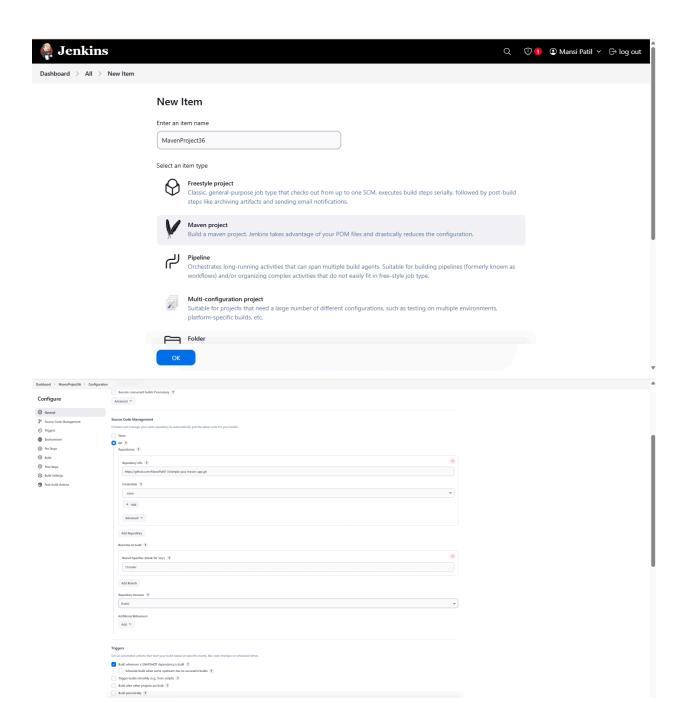
Build Step 1:

```
× Mindows PowerShell
 Command Prompt
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\Admin> mvn --version
Apache Maven 3.9.9 (8e8579a9e76f7d015ee5ec7bfcdc97d260186937)
Maven home: C:\Program Files\APACHE\apache-maven-3.9.9
Java version: 17.0.12, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-17
Default locale: en_US, platform encoding: Cp1252
OS name: "windows 11", version: "10.0", arch: "amd64", family: "windows"
PS C:\Users\Admin> cd ...
PS C:\Users> cd ..
PS C:\> cd simple-java-maven-app
PS C:\simple-java-maven-app> mvn clean package
[INFO] Scanning for projects...
[INFO]
[INFO]
                                  < com.mycompany.app:my-app >
[INFO] Building my-app 1.0-SNAPSHOT
[INFO]
        from pom.xml
[INFO] -
                                          ---[ jar ]---
.
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-enforcer-plugin/3.5.0/mave
n-enforcer-plugin-3.5.0.pom

Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-enforcer-plugin/3.5.0/maven
-enforcer-plugin-3.5.0.pom (8.1 kB at 51 kB/s)

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/enforcer/enforcer/3.5.0/enforcer-3.5.0.p
om
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/enforcer/enforcer/3.5.0/enforcer-3.5.0.po
m (9.3 kB at 579 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-enforcer-plugin/3.5.0/mave
```





Configure		
General	Build	
Source Code Management	Root POM ?	
Triggers	pom.xml	
Environment	Goals and options ?	
Pre Steps	clean package	
Build Post Steps	Advanced ∨	
Build Settings     Post-build Actions	Post Steps  Run only if build succeeds	
	Run only if build succeeds or is unstable	
	Run regardless of build result	
	Should the post-build steps run only for successful builds, etc.	
	And nost-huild sten   Apply  Apply	
ashboard > MavenProject36 > Config	Add nost-build sten   Save Apply	
	Add nost-huild sten V Save Apply  Apply	
Configure	Add nost-huild sten V Save Apply  Apply  Post Steps	
Configure  General  Source Code Management	Add nost-huild sten   Save Apply  puration  Post Steps  Run only if build succeeds	
Configure  Greneral  Source Code Management  Triggers	Add nost-huild sten   Save Apply  Post Steps  Run only if build succeeds  Run only if build succeeds or is unstable  Run regardless of build result Should the post-build steps run only for successful builds, etc.	
Configure  General  Source Code Management  Triggers  Environment	Add nost-huild sten   Apply  Apply  Post Steps  Run only if build succeeds  Run only if build succeeds or is unstable  Run regardless of build result	
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Configure  General  Source Code Management  Triggers  Environment  Pre Steps  Build  Post Steps  Build Settings	Add nost-huild sten  Save Apply  Post Steps  Run only if build succeeds  Run only if build succeeds or is unstable  Run regardless of build result Should the post-build steps run only for successful builds, etc.  Add post-build step   Build Settings  E-mail Notification	

 $\mathsf{Apply} \to \mathsf{Save} \to \mathsf{Build}\; \mathsf{Now} \to \mathsf{COnsole}\; \mathsf{Output}$ 

Dashboard > MavenProject36 > #1 > Console Output [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-archiver/3.6.2/maven-archiver-3.6.2.jar (27 kB at 164 kB/s)  $[INFO] \ Downloading \ from \ central: \ https://repo.maven.apache.org/maven2/com/github/luben/zstd-jni/1.5.5-11/zstd-jni-1.5.5-11.jar$ [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/iq80/snappy/6.4/snappy-0.4.jar (58 kB at 212 kB/s) [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/4.9.2/plexus-archiver 4.9.2.jar (225 kB at 727 kB/s) [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/org/tukaani/xz/1.9/xz-1.9.jar (116 kB at 218 kB/s)  $[INFO] \ \ Downloaded \ \ from \ central: \ https://repo.maven.apache.org/maven2/commons-codec/commons-codec/1.16.1/commons-codec-1.16.1.jar-1.0.px \ \ declared by the second of the$ (365 kB at 166 kB/s) [INFO] Downloaded from central: https://repo.maven.apache.org/maven2/com/github/luben/zstd-jni/1.5.5-11/zstd-jni-1.5.5-11.jar (6.8 MB at 1.1 MB/s)  $[INFO] \ Building jar: C:\ProgramData\Jenkins\.jenkins\workspace\MavenProject36\target\mbox{\sc my-app-1.0-SNAPSHOT.} jar. \label{linfo}$ [INFO] -----[INFO] BUILD SUCCESS [INFO] -----[INFO] Total time: 23.781 s [INFO] Finished at: 2025-03-27T15:58:02+05:30 [INFO] -----Waiting for Jenkins to finish collecting data [JENKINS] Archiving C:\ProgramData\Jenkins\.jenkins\workspace\MavenProject36\pom.xml to com.mycompany.app/my-app/1.0-SNAPSHOT/my- $[{\tt JENKINS}] \ \, {\tt Archiving} \ \, {\tt C:ProgramData} \ \, {\tt Jenkins} \\ \ \, {\tt workspace} \\ \ \, {\tt MavenProject36} \\ \ \, {\tt target} \\ \ \, {\tt my-app-1.0-SNAPSHOT.jar} \ \, {\tt to} \\ \ \, {\tt to} \\ \ \, {\tt maximum} \\ \ \, {\tt to} \\ \ \, {\tt maximum} \\ \ \,$ com.mycompany.app/my-app/1.0-SNAPSHOT/my-app-1.0-SNAPSHOT.jar channel stopped Finished: SUCCESS