

In Jenkins, creating 3 free style projects,
once free-style-1 is build then
free-style-2 build , which triggers build free-style-3

New Item [Jenkins]

localhost:9090/view/all/newJob

Jenkins

Search (CTRL+K)

ramya.drs log out

Dashboard > All >

Enter an item name

freestyle-P1

* Required field

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.

Maven project
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.

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.

OK

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

freestyle-P1 Config [Jenkins] x +

localhost:9090/job/freestyle-P1/configure

Jenkins

Search (CTRL+K) ?

ramya.drs log out

Dashboard > freestyle-P1 > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

General

Enabled

Description

FREESTYLE PROJECT3

[Safe HTML] [Preview](#)

Discard old builds ?

GitHub project

Use custom workspace ?

GitLab Connection

Save Apply Xbox

freestyle-P1 Config [Jenkins] x Available Environmental Variable= x Inbox (2,172) - sriramya.027@g x freestyle-P1 [Jenkins] x +

localhost:9090/job/freestyle-P1/configure

Dashboard > freestyle-P1 > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

Build Steps

Execute Windows batch command ?

Command

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

```
echo "hello world"
```

Advanced ▾

Add build step ▾

Post-build Actions

Add post-build action ▾

Save Apply

New Item [Jenkins] x Available Environmental Variabl... x Inbox (2,172) - srirama.027@g... x +

localhost:9090/view/all/newJob

Jenkins

Search (CTRL+K) ?





ramya.drs log out


Dashboard > All >

Enter an item name

freestyle-P2

* Required field

-  **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.
-  **Maven project**
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.
-  **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.

 **OK**

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

freestyle-P2 Config [Jenkins] x Available Environmental Variable= x Inbox (2,172) - sriramya.027@g... x freestyle-P1 [Jenkins] x +

localhost:9090/job/freestyle-P2/configure

Dashboard > freestyle-P2 > Configuration

Configure

- General
- Source Code Management
- Build Triggers**
- Build Environment
- Build Steps
- Post-build Actions

Build Triggers

- Trigger builds remotely (e.g., from scripts) ?
- Build after other projects are built ?
 - Projects to watch
 - Trigger only if build is stable
 - Trigger even if the build is unstable
 - Trigger even if the build fails
 - Always trigger, even if the build is aborted
- Build periodically ?
- Build when a change is pushed to GitLab. GitLab webhook URL: http://192.168.1.8:8080/project/freestyle-P2 ?
- Enable Artifactory trigger
- GitHub hook trigger for GITScm polling ?

Save Apply

freestyle-P2 Config [Jenkins] x Available Environmental Variable= x Inbox (2,172) - sriramya.027@g x freestyle-P1 [Jenkins] x +

localhost:9090/job/freestyle-P2/configuration

Dashboard > freestyle-P2 > Configuration

With Ant ?

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

Build Steps

Execute Windows batch command ?

Command

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

```
echo "welcome"
```

Advanced ▾

Add build step ▾

Post-build Actions

Add post-build action ▾

Save Apply

New Item [Jenkins] x Available Environmental Variabl... x Inbox (2,172) - srirama.027@g... x freestyle-P1 [Jenkins] x +

localhost:9090/view/all/newJob

Jenkins

Search (CTRL+K) ?





ramya.drs log out


Dashboard > All >

Enter an item name

freestyle-P3

* Required field

-  **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.
-  **Maven project**
Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.
-  **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.

 **OK**

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

freestyle-P3 Config [Jenkins] x Available Environmental Variable= x Inbox (2,172) - srirama.027@g x freestyle-P2 [Jenkins] x +

localhost:9090/job/freestyle-P3/configure

Dashboard > freestyle-P3 > Configuration

Configure

- General
- Source Code Management
- Build Triggers**
- Build Environment
- Build Steps
- Post-build Actions

Build Triggers

- Trigger builds remotely (e.g., from scripts) ?
- Build after other projects are built ?
 - Projects to watch
freestyle-P2
 - Trigger only if build is stable
 - Trigger even if the build is unstable
 - Trigger even if the build fails
 - Always trigger, even if the build is aborted
- Build periodically ?
- Build when a change is pushed to GitLab. GitLab webhook URL: http://192.168.1.8:8080/project/freestyle-P3 ?
- Enable Artifactory trigger
- GitHub hook trigger for GITScm polling ?
- Maven Dependency Update Trigger ?
- Poll SCM ?

Save Apply

freestyle-P3 Config [Jenkins] x Available Environmental Variabl... x Inbox (2,172) - sriramya.027@g... x freestyle-P2 [Jenkins] x +

localhost:9090/job/freestyle-P3/configure

Dashboard > freestyle-P3 > Configuration

Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

Build Steps

Execute Windows batch command ?

Command

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

```
echo "Have a good day!"
```

Advanced ▾

Add build step ▾

Post-build Actions

Add post-build action ▾

Save Apply

freestyle-P1 [Jenkins] x Available Environmental Variable= x Inbox (2,172) - srirama.027@g x freestyle-P2 [Jenkins] x +

localhost:9090/job/freestyle-P1/

Jenkins

Search (CTRL+K) ?

ramya.drs log out

Dashboard > freestyle-P1 >

- Status
- Changes
- Workspace
- Build Now
- Configure
- Delete Project
- Convert This Job To Pipeline
- Rename

Project freestyle-P1

FREESTYLE PROJECT1

Edit description

Disable Project

Downstream Projects

- freestyle-P2

Permalinks

- Last build (#1), 2 min 30 sec ago
- Last stable build (#1), 2 min 30 sec ago
- Last successful build (#1), 2 min 30 sec ago
- Last completed build (#1), 2 min 30 sec ago

Build History

trend v

Filter builds...

#1

Mar 30, 2023 9:23 PM

Atom feed for all Atom feed for failures

REST API Jenkins 2.387.1

freestyle-P2 [Jenkins] x Available Environmental Variable= x Inbox (2,172) - sri@ramya.027@g... x freestyle-P2 [Jenkins] x +

localhost:9090/job/freestyle-P2/

Jenkins

Search (CTRL+K) ?

ramya.drs log out

Dashboard > freestyle-P2 >

- Status
- Changes
- Workspace
- Build Now
- Configure
- Delete Project
- Convert This Job To Pipeline
- Rename

Project freestyle-P2

freestyle-P2

Edit description

Disable Project

Upstream Projects

- freestyle-P1

Downstream Projects

- freestyle-P3

Permalinks

- Last build (#1), 3 min 10 sec ago
- Last stable build (#1), 3 min 10 sec ago
- Last successful build (#1), 3 min 10 sec ago
- Last completed build (#1), 3 min 10 sec ago

Build History

trend v

Filter builds...

#1

Mar 30, 2023 9:23 PM

Atom feed for all Atom feed for failures

REST API Jenkins 2.387.1

freestyle-P2 #1 Console [Jenkins] x Available Environmental Variable= x Inbox (2,172) - sriramya.027@g... x freestyle-P2 [Jenkins] x +

localhost:9090/job/freestyle-P2/1/console

Jenkins

Search (CTRL+K) ramya.drs log out

Dashboard > freestyle-P2 > #1 > Console Output

- Status
- Changes
- Console Output**
 - View as plain text
- Edit Build Information
- Delete build '#1'
- Timings

Console Output

```
Started by upstream project "freestyle-P1" build number 1
originally caused by:
 - Started by user ramya.drs
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\jenkins\workspace\freestyle-P2
[freestyle-P2] $:cmd /c:call C:\WINDOWS\TEMP\jenkins9037518871572323793.bat

C:\ProgramData\Jenkins\jenkins\workspace\freestyle-P2>echo "welcome"
"welcome"

C:\ProgramData\Jenkins\jenkins\workspace\freestyle-P2>exit 0
Triggering a new build of freestyle-P3
Finished: SUCCESS
```

REST API Jenkins 2.387.1

GitHub webhook triggering jenkins build job procedure

freestyle-P2 #1 x | Inbox (2,174) x | Create a New Re x | columbuskvmk x | New Request - x | localhost:8089/E x | localhost:8089/E x | Download Posti x | +

github.com/new

Search or jump to... Pull requests Issues Codespaces Marketplace Explore

Create a new repository

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

Owner ^{*} / Repository name ^{*}

gitdrrs / mvn-example ✓

Great repository name: mvn-example is available. Need inspiration? How about [refactored-journey?](#)

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

Skip this step if you're importing an existing repository.

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

Add .gitignore

Postman-win64-Se...exe ^ | SpringBootmicrose...zip ^ | Show all x

git-practise-for-all | src | java

Commit

Changes

Amend

my

Amend Commit | Amend Commit and Push...

Select File or Directory to Import

Select directory with **existing sources**.
Eclipse project (project) or classpath (classpath) file.
Maven project file (pom.xml).
Gradle build script (*.gradle, *.gradle.kts).

C:\Users\dile\Desktop\myn-sample\maven-example-main

- > IntelliJ IDEA Community Edition 2022.3.3
- > JAVAB
- > java17
- > mvc
- > myn-sample
 - > maven-example-main
 - > idea
 - > mvn
 - > src
 - > target
 - dependency-reduced-pom.xml
 - mvnw
 - mvnw.cmd
 - pom.xml
 - README.md
- > project
- > readme

OK | Cancel

Git

Structure

Problems | Terminal | Services

Commit to master

Changes 9 files

- createdFiles.txt maven-example-main\target\maven-status\maven-compiler-p...
- gs-maven-0.1.0.jar maven-example-main\target...
- hello.GreeterTest.txt maven-example-main\target\surefire-reports
- inputFiles.txt maven-example-main\target\maven-status\maven-compiler-plu...
- jacoco.exec maven-example-main\target
- original-gs-maven-0.1.0.jar maven-example-main\target
- pom.properties maven-example-main\src\git\maven.archive
- TEST-hello.GreeterTest.xml maven-example-main\target\surefire-reports

Amend

my first commit

Commit Commit and Push...

Maven Demo repository

Maven basic example

Maven

- gs-maven
 - Lifecycle
 - clean
 - validate
 - compile
 - test
 - package
 - verify
 - install
 - site
 - deploy
 - Plugins
 - clean (org.apache.maven.plugins:maven-clean)
 - compiler (org.apache.maven.plugins:maven-compiler-plugin)
 - compilerCompile
 - compilerHelp
 - compilerTestCompile
 - deploy (org.apache.maven.plugins:maven-deploy-plugin)
 - install (org.apache.maven.plugins:maven-install-plugin)

Git: Log Console

HEAD (Current Branch)

- Local
 - master
- Remote
 - main
 - master

my first commit

my first commit

my first commit gtrdis 2 minutes ago

my first commit gtrdis Yesterday 14:30

Select commit to view changes

Commit details

master 1 branch 0 tags Go to file Add file <> Code

- gitdrs my first commit 9d9ec33 1 minute ago 2 commits
- maven-example-main my first commit 1 minute ago

Help people interested in this repository understand your project by adding a README. Add a README

About

No description, website, or topics provided.
0 stars
1 watching
0 forks

Releases

No releases published.
[Create a new release](#)

Packages

No packages published.
[Publish your first package](#)

Languages

Show all

Enter an item name

Required field



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.



Maven project

Build a maven project. Jenkins takes advantage of your POM files and drastically reduces the configuration.



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

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



Configure

General

Enabled

- General
- Source Code Management
- Build Triggers
- Build Environment
- Pre Steps
- Build
- Post Steps
- Build Settings
- Post-build Actions

Description

maven example

[Safe HTML] [Preview](#)

- Discard old builds ?
- GitHub project

GitLab Connection

Save Apply

Configure

- General
- Source Code Management**
- Build Triggers
- Build Environment
- Pre Steps
- Build
- Post Steps
- Build Settings
- Post-build Actions

- None
- Git** ?

Repositories ?

Repository URL ?

https://github.com/gitdrs/mvn-example

Credentials ?

gitdrs/*****

+ Add

Advanced v

Add Repository

Branches to build ?

Save

Apply

ngrok

Announcing ngrok-rs: The ngrok agent as a Rust crate: <https://ngrok.com/rust>

```

Session Status      online
Session Expires    1 hour, 58 minutes
Terms of Service    https://ngrok.com/tos
Version             3.2.2
Region              India (in)
Latency             42ms
Web Interface       http://127.0.0.1:4040
Forwarding          https://34fe-45-117-67-253.in.ngrok.io -> http://80':80

```

Connections	ttl	opn	rt1	rt5	p50	p90
	0	0	0.00	0.00	0.00	0.00

- General
- Access
 - Collaborators
 - Moderation options
- Code and automation
 - Branches
 - Tags
 - Actions
 - Webhooks**
 - Environments
 - Codespaces
 - Pages
- Security
 - Code security and analysis
 - Deploy keys
 - Secrets and variables
- Integrations
 - GitHub apps

Webhooks / Add webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

Payload URL *

Content type

Secret

SSL verification
By default, we verify SSL certificates when delivering payloads.
 Enable SSL verification **Disable (not recommended)**

Which events would you like to trigger this webhook?

- Just the push event.**
- Send me everything.**
- Let me select individual events.**

- Pull request review comments**
Pull request diff comment created, edited, or deleted.
- Pull request reviews**
Pull request review submitted, edited, or dismissed.
- Pushes**
Git push to a repository.
- Releases**
Release created, edited, published, unpublished, or deleted.
- Repository advisories**
Repository advisory published or reported.
- Repository vulnerability alerts**
Dependabot alert (aka dependency vulnerability alert) created, resolved, or dismissed on a repository.
- Secret scanning alerts**
Secrets scanning alert created, resolved, or reopened.
- Stars**
A star is created or deleted from a repository.
- Pull request review threads**
A pull request review thread was resolved or unresolved.
- Pull requests**
Pull request assigned, auto merge disabled, auto merge enabled, closed, converted to draft, demilestoned, dequeued, edited, enqueued, labeled, locked, milestoned, opened, ready for review, reopened, review request removed, review requested, synchronized, unassigned, unlabeled, or unlocked.
- Registry packages**
Registry package published or updated in a repository.
- Repositories**
Repository created, deleted, archived, unarchived, publicized, privatized, edited, renamed, or transferred.
- Repository imports**
Repository import succeeded, failed, or cancelled.
- Secret scanning alert locations**
Secrets scanning alert location created.
- Security and analyses**
Code security and analysis features enabled or disabled for a repository.
- Statuses**
Commit status updated from the API.

Okay, that hook was successfully created. We sent a ping payload to test it out! Read more about it at <https://docs.github.com/webhooks/#ping-event>

- General
- Access
- Collaborators
- Moderation options
- Code and automation
 - Branches
 - Tags
 - Actions
 - Webhooks**
 - Environments
 - Codespaces
 - Pages

Webhooks Add webhook

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. [Learn more in our Webhooks Guide.](#)

● http://34fe45-117-67-253.in.ngro... (pull request and push)	Edit	Delete
---	------	--------

Okay, that hook was successfully created. We sent a ping payload to test it out! Read more about it at <https://docs.github.com/webhooks/#ping-event>

- General
- Access
- Collaborators
- Moderation options
- Code and automation
 - Branches
 - Tags
 - Actions
 - Webhooks**
 - Environments
 - Codespaces
 - Pages

Webhooks Add webhook

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. [Learn more in our Webhooks Guide.](#)


● https://f3a9-45-117-57-253.ngro... (pull request and push)	Edit	Delete
---	------	--------

columbuskumk/git-practi x | Inbox (2,166) - shramya.D x | Create a resource - Micro x | Dashboard [Jenkins] x | My Drive - Google Drive x | Create a New Repository x +

github.com/new

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

Owner * Repository name *

 gitdts / build-tool-repo ✓

Great repository name: Your new repository will be created as **build-tool-repo**. [Why about redesigned-waffle?](#)

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:
Skip this step if you're importing an existing repository.

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

Add .gitignore
Choose which files not to track from a list of templates. [Learn more.](#)

.gitignore template: **None** ▼

Choose a license
A license tells others what they can and can't do with your code. [Learn more.](#)

License: **None** ▼

Assesment-related...zip ^

maven-example-m...zip ^

Show all x

Browser tabs: columbuskumk/git-practi... | Inbox (2,166) - s... | Create a resource - Micro... | Dashboard [Jenkins] | My Drive - Google Drive | gitdrs/build-tool-repo

Address bar: github.com/gitdrs/build-tool-repo

Navigation: Search or jump to... | Pull requests | Issues | Codespaces | Marketplace | Explore

Repository: gitdrs / build-tool-repo (Public) | Pin | Unwatch 1 | Fork 0 | Star 0

Menu: Code | Issues | Pull requests | Actions | Projects | Wiki | Security | Insights | Settings

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

Set up in Desktop or HTTPS SSH `https://github.com/gitdrs/build-tool-repo.git`

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

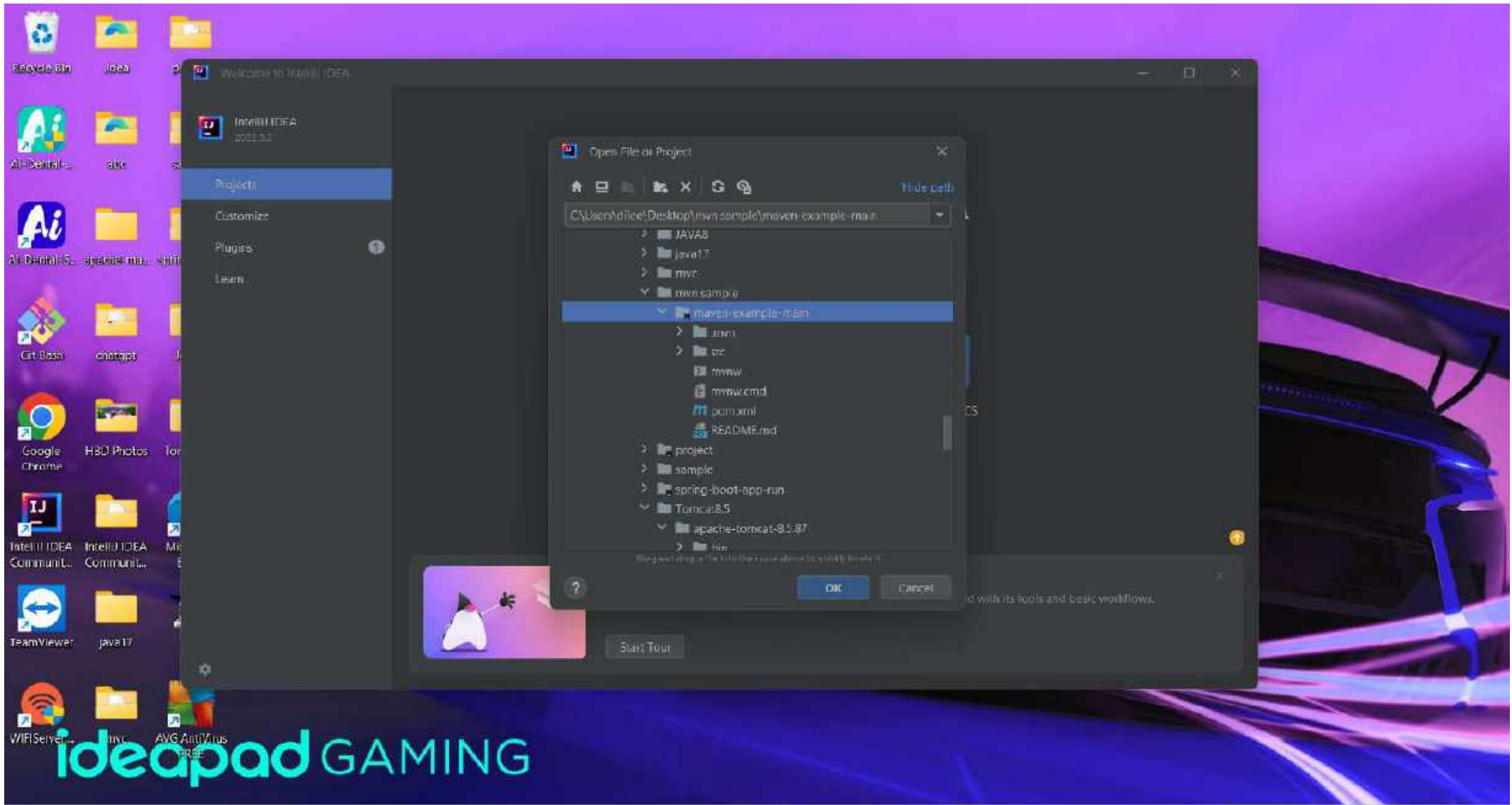
...or create a new repository on the command line

```
echo "# build-tool-repo" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/gitdrs/build-tool-repo.git
git push -u origin main
```

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

```
git remote add origin https://github.com/gitdrs/build-tool-repo.git
git branch -M main
```

Assessment-related...zip | maven-example-m...zip | Show all



Welcome to Intelij IDEA

Intelij IDEA 2023.3.3

- Projects
- Customize
- Plugins
- Learn

Open File or Project

C:\Users\dilce\Desktop\maven sample\maven-example-main

- JAVA8
- java17
- mvc
- maven.sample
 - maven-example-0.0.1-SNAPSHOT
 - src
 - review
 - maven.cmd
 - pom.xml
 - README.md
 - project
 - sample
 - spring-boot-app-run
- Tomcat8.5
 - apache-tomcat-8.5.87
 - src

OK CANCEL

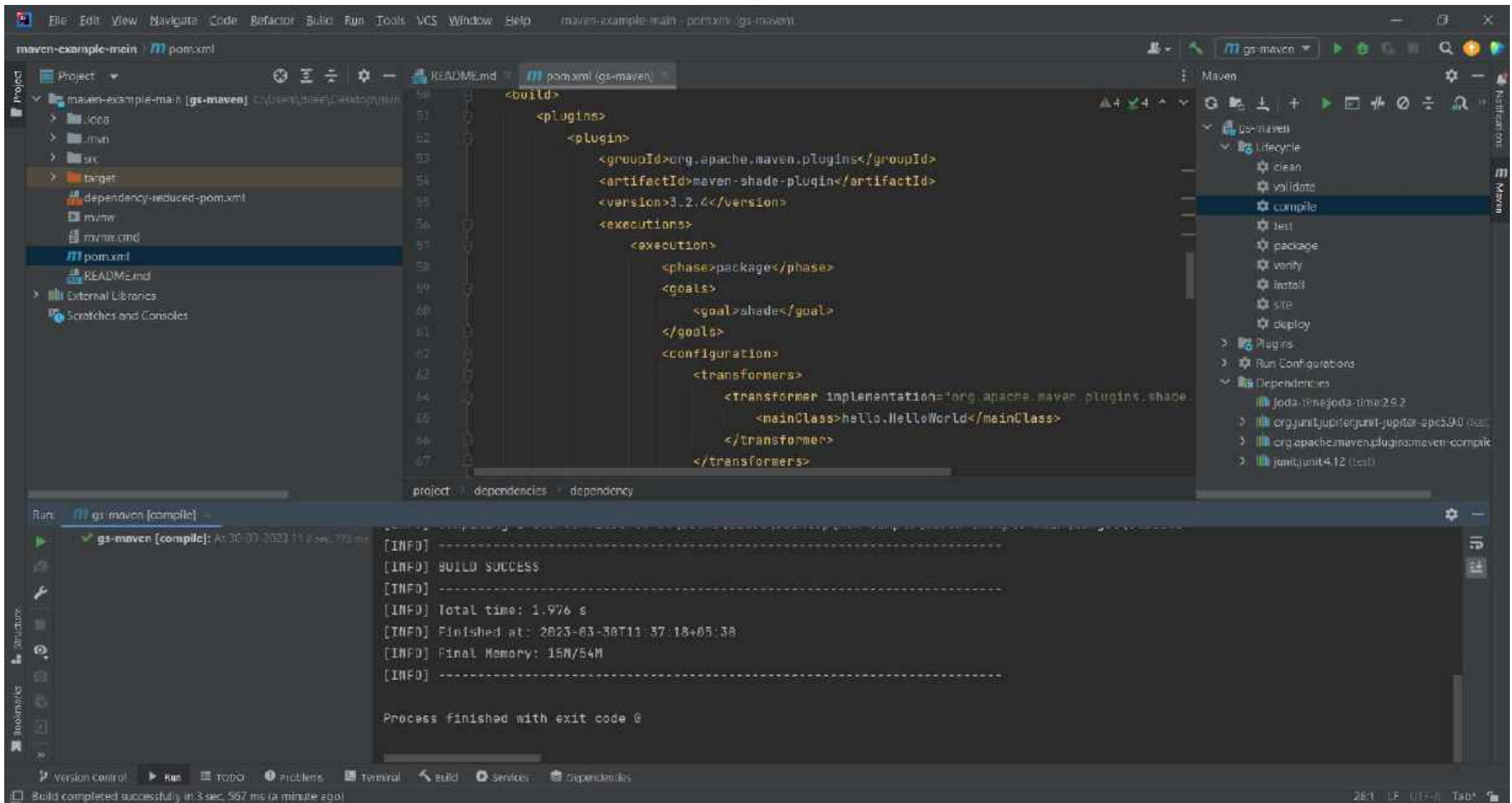
ideapad GAMING

The image shows an IDE window with the following components:

- Project Explorer:** Shows a project named 'maven-example-main [gs-maven]' with files like 'pom.xml', 'README.md', and 'src'.
- Code Editor:** Displays the 'pom.xml' file with the following XML content:

```
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-shade-plugin</artifactId>
      <version>3.2.4</version>
      <executions>
        <execution>
          <phase>package</phase>
          <goals>
            <goal>shade</goal>
          </goals>
          <configuration>
            <transformers>
              <transformer implementation=org.apache.maven.plugins.shade
                <mainClass>hello.HelloWorld</mainClass>
            </transformer>
            </transformers>
          </configuration>
        </execution>
      </executions>
    </plugin>
  </plugins>
</build>
```
- Maven Tool Window:** Shows the 'Lifecycle' with goals like 'clean', 'validate', 'compile', 'test', 'package', 'verify', 'install', 'site', and 'deploy'. The 'clean' goal is selected.
- Run Console:** Shows the output of the 'mvn clean' command:

```
[INFO] BUILD SUCCESS.
[INFO] Total time: 0.227 s
[INFO] Finished at: 2023-03-30T11:36:12+05:30
[INFO] Final Memory: 6M/27M
[INFO] -----
Process finished with exit code 0
```
- Status Bar:** Indicates 'Build completed successfully in 3 sec, 567 ms (moments ago)'.



The screenshot shows an IDE window titled "maven-example-main" with a "pom.xml" file open. The pom.xml content is as follows:

```
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-shade-plugin</artifactId>
      <version>3.2.4</version>
      <executions>
        <execution>
          <phase>package</phase>
          <goals>
            <goal>shade</goal>
          </goals>
          <configuration>
            <transformers>
              <transformer implementation=org.apache.maven.plugins.shade
                <mainClass>hello.HelloWorld</mainClass>
              </transformer>
            </transformers>
          </configuration>
        </execution>
      </executions>
    </plugin>
  </plugins>
</build>
```

The Maven sidebar on the right shows the "Lifecycle" section with the "package" goal selected. Below it, the "Dependencies" section lists several dependencies, including "joda-time:joda-time:2.9.2", "org.junit.jupiter:junit-jupiter-api:5.9.0", "org.apache.maven.plugins:maven-compiler-plugin:3.10.1", and "junit:junit:4.12".

The Run console at the bottom shows the output of the "package" goal:

```
Run: gs-maven [package]
gs-maven [package]: Apr 30 03:2023 114 sec, 354 ms
  org.springframework.maven.jar: 3 sec, 714 ms
[INFO] -----
[INFO] BUILD SUCCESS.
[INFO] -----
[INFO] Total time: 3.765 s
[INFO] Finished at: 2023-03-30T11:39:45+05:30
[INFO] Final Memory: 17M/60M
[INFO] -----
Process finished with exit code 0
```

At the bottom of the IDE, a status bar indicates "Build completed successfully in 3 sec, 587 ms (4 minutes ago)" and the system time is "4:21".

```
C:\Windows\System32\cmd.e  x  +  v

[WARNING] maven-aether-provider-3.0.jar, maven-artifact-3.0.jar, maven-compiler-plugin-3.8.1.jar, maven-core-3.0.jar, maven-model-3.0.jar, maven-model-builder-3.0.jar, maven-plugin-api-3.0.jar, maven-repository-metadata-3.0.jar, maven-settings-3.0.jar, maven-settings-builder-3.0.jar, maven-shared-incremental-1.1.jar, maven-shared-utils-3.2.1.jar, plexus-utils-2.0.4.jar define 2 overlapping resources:
[WARNING]   - META-INF/LICENSE
[WARNING]   - META-INF/NOTICE
[WARNING] aether-impl-1.7.jar, maven-aether-provider-3.0.jar, maven-core-3.0.jar, maven-model-builder-3.0.jar, maven-settings-builder-3.0.jar, plexus-cipher-1.4.jar, plexus-compiler-javac-2.8.4.jar, plexus-compiler-manager-2.8.4.jar, plexus-java-0.9.10.jar, plexus-sec-dispatcher-1.3.jar, sisu-inject-plexus-1.4.2.jar define 1 overlapping resource:
[WARNING]   - META-INF/plexus/components.xml
[WARNING] maven-shade-plugin has detected that some class files are
[WARNING] present in two or more JARs. When this happens, only one
[WARNING] single version of the class is copied to the uber jar.
[WARNING] Usually this is not harmful and you can skip these warnings,
[WARNING] otherwise try to manually exclude artifacts based on
[WARNING] mvn dependency:tree -Ddetail=true and the above output.
[WARNING] See http://maven.apache.org/plugins/maven-shade-plugin/
[INFO] Replacing original artifact with shaded artifact.
[INFO] Replacing C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0.jar with C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0-shaded.jar
[INFO] Dependency-reduced POM written at: C:\Users\dilee\Desktop\mvn sample\maven-example-main\dependency-reduced-pom.xml
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 14.213 s
[INFO] Finished at: 2023-03-30T13:52:45+05:30
[INFO] -----

C:\Users\dilee\Desktop\mvn sample\maven-example-main>
```

```
C:\Windows\System32\cmd.e  x  +  v

[WARNING] mvn dependency:tree -Ddetail=true and the above output.
[WARNING] See http://maven.apache.org/plugins/maven-shade-plugin/
[INFO] Replacing original artifact with shaded artifact.
[INFO] Replacing C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0.jar with C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0-shaded.jar
[INFO] Dependency-reduced POM written at: C:\Users\dilee\Desktop\mvn sample\maven-example-main\dependency-reduced-pom.xml
\
[INFO]
[INFO] --- jacoco:0.8.6:report (coverage-report) @ gs-maven ---
[INFO] Loading execution data file C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\jacoco.exec
[INFO] Analyzed bundle 'gs-maven' with 2 classes
[INFO]
[INFO] --- jacoco:0.8.6:check (coverage-check) @ gs-maven ---
[INFO] Loading execution data file C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\jacoco.exec
[INFO] Analyzed bundle 'gs-maven' with 2 classes
[INFO] All coverage checks have been met.
[INFO]
[INFO] --- install:3.1.0:install (default-install) @ gs-maven ---
[INFO] Installing C:\Users\dilee\Desktop\mvn sample\maven-example-main\dependency-reduced-pom.xml to C:\Users\dilee\.m2\repository\org\springframework\gs-maven\0.1.0\gs-maven-0.1.0.pom
[INFO] Installing C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0.jar to C:\Users\dilee\.m2\repository\org\springframework\gs-maven\0.1.0\gs-maven-0.1.0.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 4.745 s
[INFO] Finished at: 2023-03-30T13:55:14+05:30
[INFO] -----

C:\Users\dilee\Desktop\mvn sample\maven-example-main>
```


File Edit View Navigate Code Refactor Build Run Tools Git Window Help maven-example-main: mvnw

maven-example-main pom.xml

```
133 # For Mingw, ensure paths are in UNIX format before anything is touched
134 if $mingw ; then
135     [ -n "$M2_HOME" ] &&
136     M2_HOME="$(cd "$M2_HOME"; pwd)"
137     [ -n "$JAVA_HOME" ] &&
138     JAVA_HOME="$(cd "$JAVA_HOME"; pwd)"
139     # TODO classpath?
140 fi
141
142 if [ -z "$JAVA_HOME" ]; then
143     javaExecutable="which javac"
144     if [ -n "$javaExecutable" ] && ! [ "$(expr "$javaExecutable" : '\[[^ ]*\)$' = "no" ] ; then
145         # readlink(1) is not available as standard on Solaris 10.
146         readlink="which readlink"
147         if [ ! "$(expr "$readlink" : '\[[^ ]*\)$' = "no" ] ; then
148             if $darwin ; then
149                 javaHome="dirname \"$javaExecutable\""
150                 javaExecutable="cd \"$javaHome\" && pwd -P /javac"
151             else
152                 javaExecutable="readlink -f \"$javaExecutable\""
153             fi
154             javaHome="dirname \"$javaExecutable\""
155             javaHome="expr "$javaHome" : '\[[^ ]*\]$'"
156             JAVA_HOME="$javaHome"
```

Commit to new

Changes

Amend

my first commit

Commit Commit and Push...

Maven

- gs-maven
 - Lifecycle
 - clean
 - validate
 - compile
 - test
 - package
 - verify
 - install
 - site
 - deploy
 - Plugins
 - Run Configurations
 - Dependencies
 - joda-timejoda-time-2.9
 - org.junit.jupiterunit-jup
 - org.apache.maven.plugi
 - unitjunit-4.12 (test)

Git Log Console

HEAD (Current Branch)

- Local
 - new
 - master
- Remote

my first commit

my first commit

6 files committed: my first commit

1:16 (15 chars) LF UTF-8 2 spaces new

File Edit View Navigate Code Refactor Build Run Tools Git Window Help maven-example-main: pom.xml (gs-maven)

maven-example-main pom.xml

Commit to new

Changes: 4 files
Unversioned Files: 7 files

Amend
by first commit

Commit Commit and Push...

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
4   <modelVersion>4.0.0</modelVersion>
5
6   <groupId>org.springframework</groupId>
7   <artifactId>gs-maven</artifactId>
8   <packaging>jar</packaging>
9   <version>0.1.0</version>
10
11   <properties>
12     <maven.compiler.source>1.8</maven.compiler.source>
13     <maven.compiler.target>1.8</maven.compiler.target>
14   </properties>
15
16   <dependencies>
17     <!-- tag:joda -->
18     <dependency>
```

project > packaging

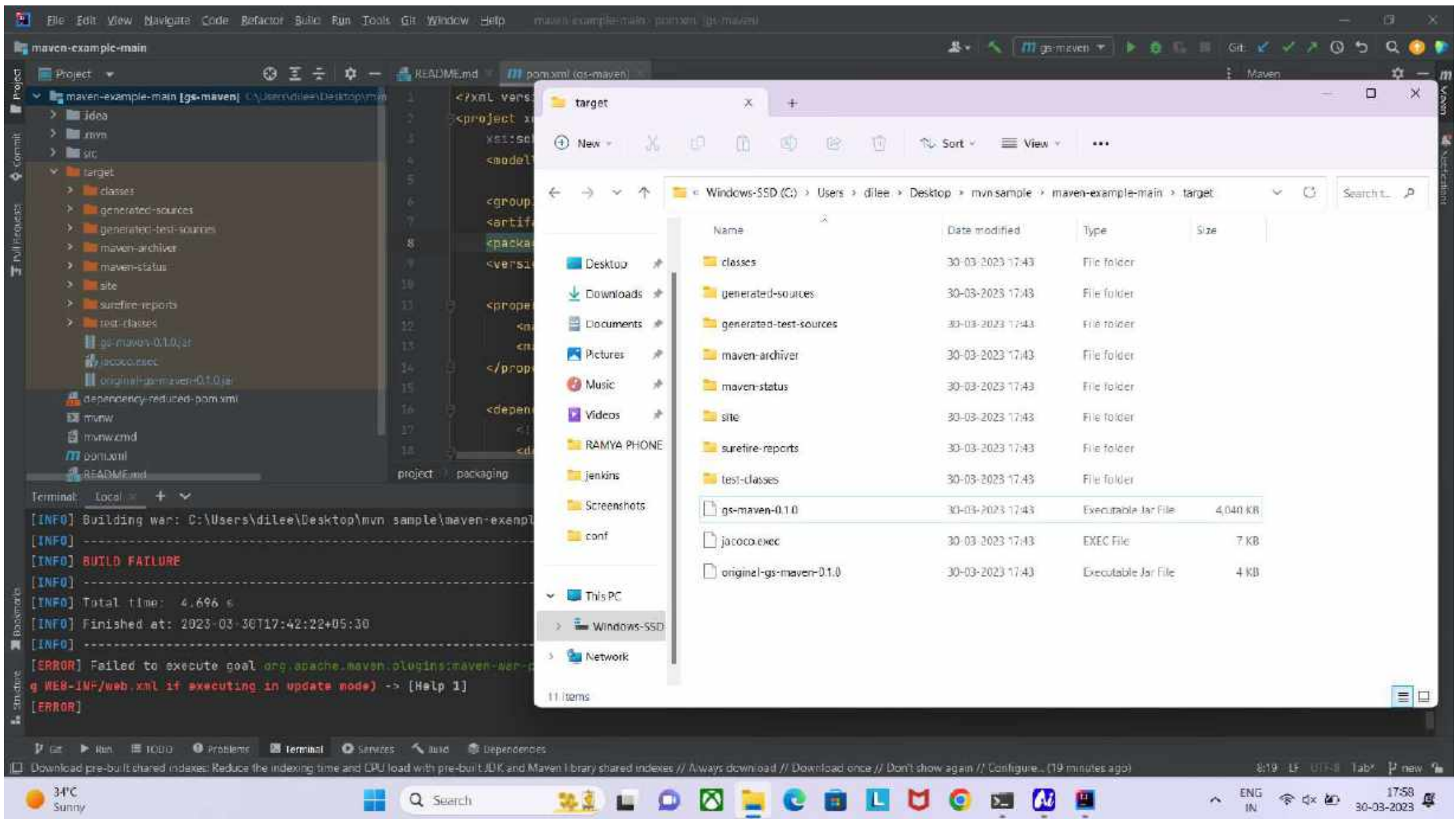
Terminal Local +

```
[INFO] --- install:3.1.0:install (default-install) @ gs-maven ---
[INFO] Installing C:\Users\dilaa\Desktop\mvn sample\maven-example-main\dependency-reduced-pom.xml to C:\Users\dilaa\.m2\repository\org\springframework\gs-maven\0.1.0\gs-maven-0.1.0.pom
[INFO] Installing C:\Users\dilaa\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0.jar to C:\Users\dilaa\.m2\repository\org\springframework\gs-maven\0.1.0\gs-maven-0.1.0.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 6.482 s
[INFO] Finished at: 2023-03-30T17:40:30+05:30
[INFO] -----
PS C:\Users\dilaa\Desktop\mvn sample\maven-example-main>
```

gs robo problems terminal services build dependencies

Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built JDK and Maven library shared indexes // Always download // Download once // Don't show again // Configure... (a minute ago)

2:19 LF UTF-8 Tab new



```
Command Prompt
[WARNING] mvn dependency:tree -Ddetail=true and the above output.
[WARNING] See http://maven.apache.org/plugins/maven-shade-plugin/
[INFO] Replacing original artifact with shaded artifact.
[INFO] Replacing C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0.jar with C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0-shaded.jar
[INFO] Dependency-reduced POM written at: C:\Users\dilee\Desktop\mvn sample\maven-example-main\dependency-reduced-pom.xml
[INFO]
[INFO] --- jacoco:0.8.6:report (coverage-report) @ gs-maven ---
[INFO] Loading execution data file C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\jacoco.exec
[INFO] Analyzed bundle 'gs-maven' with 2 classes
[INFO]
[INFO] --- jacoco:0.8.6:check (coverage-check) @ gs-maven ---
[INFO] Loading execution data file C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\jacoco.exec
[INFO] Analyzed bundle 'gs-maven' with 2 classes
[INFO] All coverage checks have been met.
[INFO]
[INFO] --- install:3.1.0:install (default-install) @ gs-maven ---
[INFO] Installing C:\Users\dilee\Desktop\mvn sample\maven-example-main\dependency-reduced-pom.xml to C:\Users\dilee\.m2\repository\org\springframework\gs-maven\0.1.0\gs-maven-0.1.0.pom
[INFO] Installing C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0.jar to C:\Users\dilee\.m2\repository\org\springframework\gs-maven\0.1.0\gs-maven-0.1.0.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 5.790 s
[INFO] Finished at: 2023-03-30T20:06:05+05:30
[INFO] -----
C:\Users\dilee\Desktop\mvn sample\maven-example-main>
```

The screenshot displays an IDE window titled "maven-example-main : pom.xml (gs-maven)". The main editor shows the content of the `pom.xml` file:

```
<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 https://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>org.springframework</groupId>
  <artifactId>gs-maven</artifactId>
  <packaging>jar</packaging>
  <version>0.1.0</version>

  <properties>
    <maven.compiler.source>1.8</maven.compiler.source>
    <maven.compiler.target>1.8</maven.compiler.target>
  </properties>

  <dependencies>
    <!-- tag::joda[] -->
    <dependency>
```

The Maven tool window on the right shows the project structure with the "test" lifecycle phase selected. The "Dependencies" section lists:

- joda-time:joda-time:2.9
- org.junit:junit:junit:4.12
- org.apache.maven.plugins:maven-junit4-plugin:3.1.0

The Run console at the bottom shows the output of the `gs-maven [test]` command:

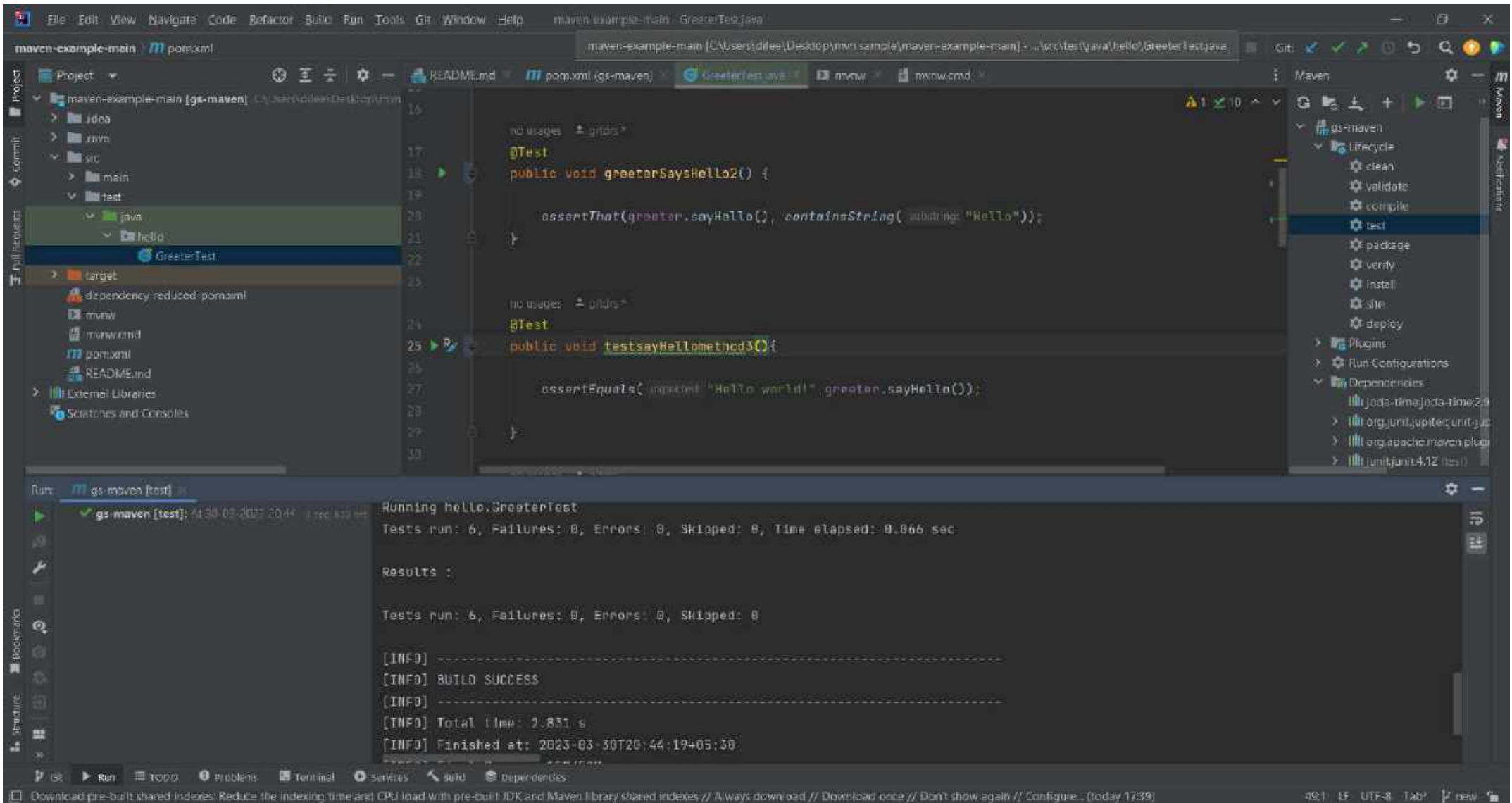
```
[INFO] -----
[INFO] BUILD SUCCESS.
[INFO] -----
[INFO] Total time: 2.999 s
[INFO] Finished at: 2023-03-30T20:08:57+05:30
[INFO] Final Memory: 15M/50M
[INFO] -----

Process finished with exit code 0
```

The status bar at the bottom indicates the current configuration: "Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built JDK and Maven library shared indexes // Always download // Download once // Don't show again // Configure... (today 17:39) 49% LF UTF-8 Tab new".

```
Command Prompt
[INFO] --- resources:3.3.0:resources (default-resources) @ gs-maven ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\dilee\Desktop\mvn sample\maven-example-main\src\main\resources
[INFO]
[INFO] --- compiler:3.10.1:compile (default-compile) @ gs-maven ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- resources:3.3.0:testResources (default-testResources) @ gs-maven ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\dilee\Desktop\mvn sample\maven-example-main\src\test\resources
[INFO]
[INFO] --- compiler:3.10.1:testCompile (default-testCompile) @ gs-maven ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- surefire:3.0.0-M8:test (default-test) @ gs-maven ---
[INFO] Using auto detected provider org.apache.maven.surefire.junitplatform.JUnitPlatformProvider
[INFO]
[INFO] -----
[INFO]  T E S T S
[INFO] -----
[INFO] Running hello.GreeterTest
[INFO] Tests run: 6, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.047 s - in hello.GreeterTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 6, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.175 s
[INFO] Finished at: 2023-03-30T20:13:01+05:30
[INFO] -----
C:\Users\dilee\Desktop\mvn sample\maven-example-main>
```

```
Command Prompt
[WARNING] aether-impl-1.7.jar, maven-aether-provider-3.0.jar, maven-core-3.0.jar, maven-model-builder-3.0.jar, maven-settings-builder-3.0.jar,
plexus-cipher-1.4.jar, plexus-compiler-javac-2.8.4.jar, plexus-compiler-manager-2.8.4.jar, plexus-java-0.9.10.jar, plexus-sec-dispatcher-1.3.jar,
sisu-inject-plexus-1.4.2.jar define 1 overlapping resource:
[WARNING] - META-INF/plexus/components.xml
[WARNING] maven-shade-plugin has detected that some class files are
[WARNING] present in two or more JARs. When this happens, only one
[WARNING] single version of the class is copied to the uber jar.
[WARNING] Usually this is not harmful and you can skip these warnings,
[WARNING] otherwise try to manually exclude artifacts based on
[WARNING] mvn dependency:tree -Ddetail=true and the above output.
[WARNING] See http://maven.apache.org/plugins/maven-shade-plugin/
[INFO] Replacing original artifact with shaded artifact.
[INFO] Replacing C:\Users\dilee\Desktop\maven sample\maven-example-main\target\gs-maven-0.1.0.jar with C:\Users\dilee\Desktop\maven sample\maven-ex
ample-main\target\gs-maven-0.1.0-shaded.jar
[INFO] Dependency-reduced POM written at: C:\Users\dilee\Desktop\maven sample\maven-example-main\dependency-reduced-pom.xml
[INFO]
[INFO] --- jacoco:0.8.6:report (coverage-report) @ gs-maven ---
[INFO] Skipping JaCoCo execution due to missing execution data file.
[INFO]
[INFO] --- jacoco:0.8.6:check (coverage-check) @ gs-maven ---
[INFO] Skipping JaCoCo execution due to missing execution data file:C:\Users\dilee\Desktop\maven sample\maven-example-main\target\jacoco.exec
[INFO]
[INFO] --- install:3.1.0:install (default-install) @ gs-maven ---
[INFO] Installing C:\Users\dilee\Desktop\maven sample\maven-example-main\dependency-reduced-pom.xml to C:\Users\dilee\.m2\repository\org\springfr
amework\gs-maven\0.1.0\gs-maven-0.1.0.pom
[INFO] Installing C:\Users\dilee\Desktop\maven sample\maven-example-main\target\gs-maven-0.1.0.jar to C:\Users\dilee\.m2\repository\org\springfra
mework\gs-maven\0.1.0\gs-maven-0.1.0.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.439 s
[INFO] Finished at: 2023-03-30T20:38:10+05:30
[INFO] -----
C:\Users\dilee\Desktop\maven sample\maven-example-main>
```




```
Command Prompt
[WARNING] mvn dependency:tree -Ddetail=true and the above output.
[WARNING] See http://maven.apache.org/plugins/maven-shade-plugin/
[INFO] Replacing original artifact with shaded artifact.
[INFO] Replacing C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0.jar with C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0-shaded.jar
[INFO] Dependency-reduced POM written at: C:\Users\dilee\Desktop\mvn sample\maven-example-main\dependency-reduced-pom.xml
[INFO]
[INFO] --- jacoco:0.8.6:report (coverage-report) @ gs-maven ---
[INFO] Loading execution data file C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\jacoco.exec
[INFO] Analyzed bundle 'gs-maven' with 2 classes
[INFO]
[INFO] --- jacoco:0.8.6:check (coverage-check) @ gs-maven ---
[INFO] Loading execution data file C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\jacoco.exec
[INFO] Analyzed bundle 'gs-maven' with 2 classes
[INFO] All coverage checks have been met.
[INFO]
[INFO] --- install:3.1.0:install (default-install) @ gs-maven ---
[INFO] Installing C:\Users\dilee\Desktop\mvn sample\maven-example-main\dependency-reduced-pom.xml to C:\Users\dilee\.m2\repository\org\springframework\gs-maven\0.1.0\gs-maven-0.1.0.pom
[INFO] Installing C:\Users\dilee\Desktop\mvn sample\maven-example-main\target\gs-maven-0.1.0.jar to C:\Users\dilee\.m2\repository\org\springframework\gs-maven\0.1.0\gs-maven-0.1.0.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.884 s
[INFO] Finished at: 2023-03-30T20:46:10+05:30
[INFO] -----
C:\Users\dilee\Desktop\mvn sample\maven-example-main>
```

Running Spring boot microservices project and verifying in Postman

The screenshot displays an IDE interface with a Maven project named 'maven-example-main [gs-maven]'. The project structure includes 'src/main/java' and 'target' directories. A 'GreetingTest' class is visible in the 'src/main/java' directory. The 'Run' configuration is set to 'gs-maven [test]'. The console output shows the following:

```
Running hello.GreetingTest
Tests run: 6, Failure rate: 0.0%

Results :

Tests run: 6, Failure rate: 0.0%

[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.831 s
[INFO] Finished at: 2023-03-30T20:44:19+05:30
```

A 'Select File or Directory to Import' dialog box is open, showing a file tree with the following structure:

- IntelliJ IDEA Community Edition 2022.2.3
- JAVAB
- java17
- nvc
- nvc-sample
- project
- sample
- spring-boot-app-run
- SpringBootMicroservices-master
- Tomcat 8.5
- Microsoft Edge Ink
- ppk.ppk
- Documents
- Downloads
- Favorites
- git_test
- IdeaProjects

The dialog box also includes a search bar and a 'Hide path' button. The 'OK' button is highlighted.

SpringBootmicroservices-master - build.gradle (SpringBootmicroservices-master)

SpringBootmicroservices-master build.gradle

```
1  buildscript {
2      id 'java'
3      id 'war'
4      id 'org.springframework.boot' version '2.7.6'
5      id 'io.spring.dependency-management' version '1.0.15.RELEASE'
6  }
7
8  group = 'com.test'
9  version = '8.0.1-SNAPSHOT'
10 sourceCompatibility = '1.8'
11
12 repositories {
13     mavenCentral()
14 }
15
16 dependencies {
17     implementation 'org.springframework.boot:spring-boot-starter-web'
18     providedRuntime 'org.springframework.boot:spring-boot-starter-tomcat'
19     testImplementation 'org.springframework.boot:spring-boot-starter-test'
20     // https://mvnrepository.com/artifact/junit/junit
21     testImplementation group: 'junit', name: 'junit', version: '4.13.2'
22     // https://mvnrepository.com/artifact/org.mockito/mockito-core
23     testImplementation group: 'org.mockito', name: 'mockito-core', version: '2.1.3'
24     // https://mvnrepository.com/artifact/org.mockito/mockito-inline
25     testImplementation 'org.mockito:mockito-inline:3.12.2'
26     // https://mvnrepository.com/artifact/org.mockito/mockito-junit-jupiter
27     testImplementation 'org.mockito:mockito-junit-jupiter:3.6.28'
28 }
29
30 }
```

Gradle sync started (a minute ago)

Gradle: Downloaded spring-boot-gradle-plugin-2.7.6.pom...

Project

- SpringBootmicroservices-master [demo-artifact]
- External Libraries
- Scratches and Consoles

```
1 plugins {
2     id 'java'
3     id 'war'
4     id 'org.springframework.boot' version '2.7.6'
5     id 'io.spring.dependency-management' version '1.0.16.RELEASE'
6 }
7
8 group = 'com.test'
9 version = '0.0.1-SNAPSHOT'
10 sourceCompatibility = '1.8'
11
12 repositories {
13     mavenCentral()
14 }
15
16 dependencies {
17     implementation 'org.springframework.boot:spring-boot-starter-web'
18     providedRuntime 'org.springframework.boot:spring-boot-starter-tomcat'
```

Gradle

- bootRun
- build
 - assemble
 - bootBuildImage
 - bootJar
 - bootJarMainClassName
 - bootRunMainClassName
 - bootWar
 - bootWarMainClassName
 - build
 - buildDependents
 - buildNeeded
 - classes
 - clean
 - jar
 - testClasses
 - war
- build setup
- documentation
- help

Run: SpringBootmicroservices-master [bootRun] | SpringBootmicroservices-master [testClasses]

SpringBootmicroservices-master [testClasses] UP-TO-DATE

- > Task :compileJava UP-TO-DATE
- > Task :processResources UP-TO-DATE
- > Task :classes UP-TO-DATE
- > Task :compileTestJava
- > Task :processTestResources NO-SOURCE
- > Task :testClasses

BUILD SUCCESSFUL in 11s
3 actionable tasks: 1 executed, 2 up-to-date
22:43:48: Execution finished 'testClasses'.

Project

- SpringBootmicroservices-master [demo-artifact]
- External Libraries
- Scratches and Consoles

```
1 plugins {
2     id 'com.test'
3     id 'war'
4     id 'org.springframework.boot' version '2.7.6'
5     id 'io.spring.dependency-management' version '1.0.16.RELEASE'
6 }
7
8 group = 'com.test'
9 version = '0.0.1-SNAPSHOT'
10 sourceCompatibility = '1.8'
11
12 repositories {
13     mavenCentral()
14 }
15
16 dependencies {
17     implementation 'org.springframework.boot:spring-boot-starter-web'
18     providedRuntime 'org.springframework.boot:spring-boot-starter-tomcat'
```

Gradle

- bootRun
- build
 - assemble
 - bootBuildImage
 - bootJar
 - bootJarMainClassName
 - bootRunMainClassName
 - bootWar
 - bootWarMainClassName
 - build
 - buildDependents
 - buildNeeded
 - classes
 - clean
 - jar
 - testClasses
 - war
- buildSetup
- documentation
- help

SpringBootmicroservices-master [war] 22:44:27: Executing 'war'...

```
> Task :compileJava UP-TO-DATE
> Task :processResources UP-TO-DATE
> Task :classes UP-TO-DATE
> Task :war

BUILD SUCCESSFUL in 1s
3 actionable tasks: 1 executed, 2 up-to-date
22:44:29: Execution finished 'war'.
```

The image shows an IDE interface with the following components:

- Project Explorer:** Shows the project structure for "SpringBootmicroservices-master (demo-artifact)".
- Code Editor:** Displays the `build.gradle (demo-artifact)` file with the following content:

```
1 plugins {
2     id 'java'
3     id 'war'
4     id 'org.springframework.boot' version '2.7.6'
5     id 'io.spring.dependency-management' version '1.0.16.RELEASE'
6
7
8     group = 'com.test'
9     version = '0.0.1-SNAPSHOT'
10    sourceCompatibility = '1.8'
11
12    repositories {
13        mavenCentral()
14    }
15}
```
- Gradle Tool Window:** Lists various Gradle tasks such as `bootRunMainClassName`, `bootWar`, `build`, `clean`, and `war`.
- Debugger:** Shows the execution of the `bootRun` task. The console output includes:

```
> Task :bootRun

-----
  ____  __  _  (C) _____  ____  ____  ____
 (C)___(C)___(C)___(C)___(C)___(C)___(C)___(C)___
 W  ___(C)___(C)___(C)___(C)___(C)___(C)___(C)___
  *  |_____|_____|_____|_____|_____|_____|_____|_____|
 =====|_|=====|_|=====|_|=====|_|=====|_|
 :: Spring Boot ::                (v2.7.6)
```

Collections + -

- New Collection
- GET New Request

APIs

Environments

Mock Servers

Monitors

Flows

History

New Collection / New Request Save

GET http://localhost:8082/Employee/welcome Send

Params Authorization Headers (5) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description
Key	Value	Description

Response



Click Send to get a response

My Workspace

New Import Overview GET New Request

Collections

New Collection

GET New Request

APIs

Environments

Mock Servers

Monitors

Flows

History

GET New Request

New Collection / New Request

GET http://localhost:8089/Employee/getAllEmployees Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Description	Bulk Edit
Key	Value	Description	

Body Cookies Headers (5) Test Results Status: 200 OK Time: 6 ms Size: 662 B Save as Example

Pretty Raw Preview Visualize text

```
1 [{"Employee":{"employee_name":"emp1", "employee_id":"1", "employee_salary":0}, {"Employee":{"employee_name":"emp2", "employee_id":"13", "employee_salary":0}, {"Employee":{"employee_name":"emp5", "employee_id":"5", "employee_salary":50000}, {"Employee":{"employee_name":"emp6", "employee_id":"6", "employee_salary":60000}, {"Employee":{"employee_name":"emp7", "employee_id":"7", "employee_salary":70000}, {"Employee":{"employee_name":"emp8", "employee_id":"8", "employee_salary":80000}, {"Employee":{"employee_name":"emp9", "employee_id":"9", "employee_salary":90000}}]
```


file1

```
[rajesh@rajeshs-MBP testdir % touch file2 file3
[rajesh@rajeshs-MBP testdir % ls
file1 file2 file3
[rajesh@rajeshs-MBP testdir % cd ..
[rajesh@rajeshs-MBP ~ % mkdir test1
[rajesh@rajeshs-MBP ~ % cd test1
[rajesh@rajeshs-MBP test1 % vi connectivity.java
[rajesh@rajeshs-MBP test1 % vi applicationlog.text
```

```
[rajesh@rajeshs-MBP test1 % grep -i "exception" applicationlog.text
Exception occured connection time out(Connectivity.java line 53,121)
Connection time out exception
Exception occured illegal sql grammer-(NotificationRepo.java insertNotification method ,insert into table Noti
fication line 23,54)
[rajesh@rajeshs-MBP test1 % grep -i "service" applicationlog.text
making service calls
making call to other service
making service calls
making call to other service
service call 1 successfull
rajesh@rajeshs-MBP test1 %
```