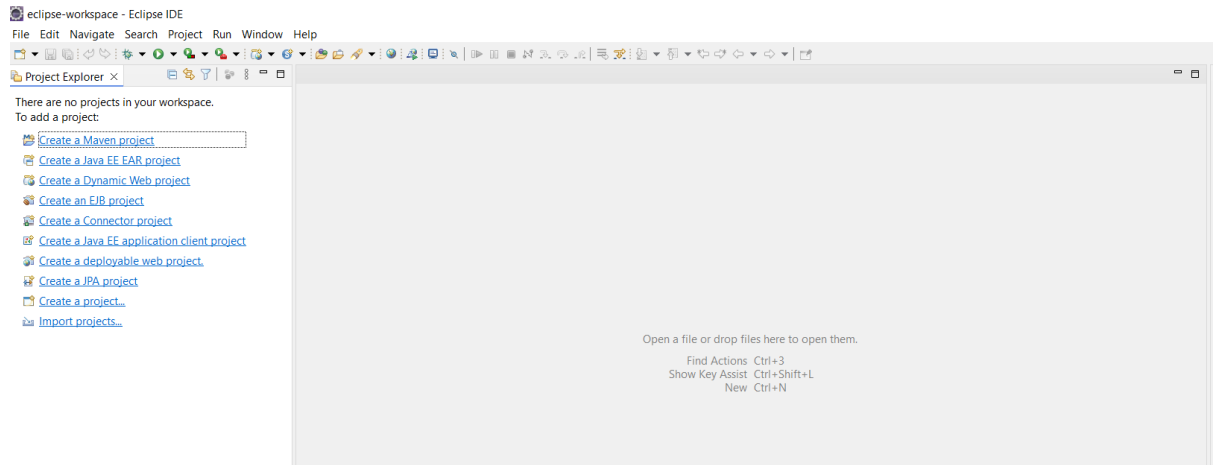
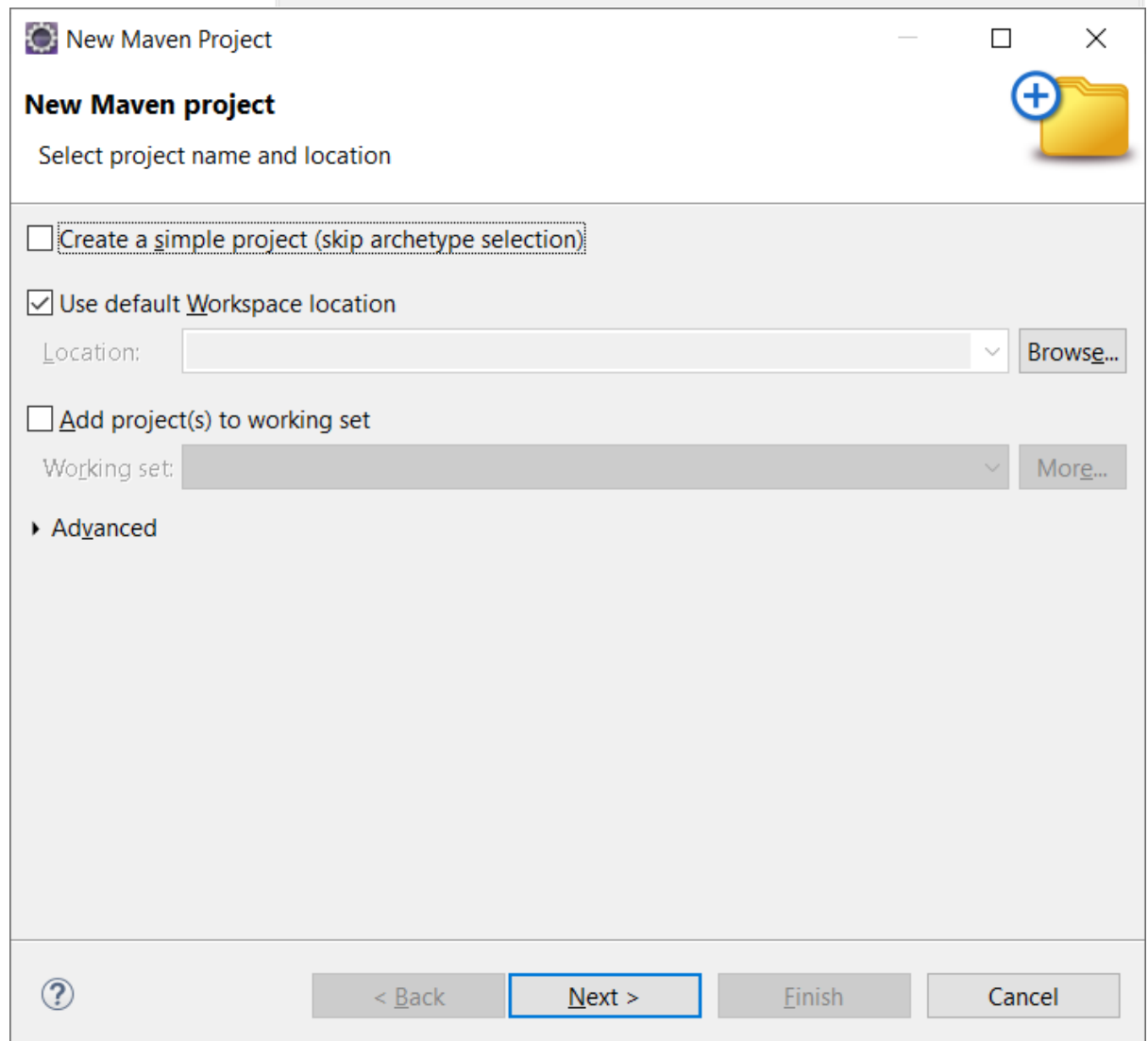


1. Install Jdk21
2. Download eclipse zip and extract the contents to C:\
3. Create a Maven Project from eclipse as:



a.



b.

c. Click Next

New Maven Project

**New Maven project**

Select an Archetype

Catalog: All Catalogs Configure...

Filter: maven-archetype-webapp ✕

Group Id	Artifact Id	Version
com.haoxuer.maven.archetype	maven-archetype-webapp	1.01
com.lodsve	lodsve-maven-archetype-webapp	1.0.2-RELEASE
org.apache.maven.archetypes	maven-archetype-webapp	1.5
org.bytesizebook.com.guide.boot	maven-archetype-webapp	1.0

An archetype which contains a sample Maven Webapp project.  
<https://repo1.maven.org/maven2>

☒ Show the last version of Archetype only ☐ Include snapshot archetypes Add Archetype...

▶ Advanced

? < Back Next > Finish Cancel

d.

New Maven Project

**New Maven project**

Specify Archetype parameters

Group Id: DevOpsExp2

Artifact Id: MyDevOpsPipeline

Version: 0.0.1-SNAPSHOT

Package: war

☒ run archetype generation interactively

Properties available from archetype:

Name	Value

Add...  
Remove

▶ Advanced

? < Back Next > Finish Cancel

e.

f. Click Finish

- Create a Connector project
- Create a Java EE application client project
- Create a deployable web project
- Create a JPA project
- Create a project...
- Import projects...

```

Open a file or drop files here to open them.

Find Actions Ctrl+3
Show Key Assist Ctrl+Shift+L
New Ctrl+N

Problems Servers Terminal Data Source Explorer Properties Console X
C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.5.v20241023-1957\jre\bin\javaw.exe (26-Dec-2024, 7:07:36 pm) [pid: 5840]
Progress (1): 16/16 MB
Progress (1): 16/16 MB
Progress (1): 16/16 MB
Progress (1): 16/16 MB
Progress (1): 16/16 MB
Progress (1): 16 MB

Downloaded from central: https://repo.maven.apache.org/maven2/archetype-catalog.xml (16 MB at 3.3 MB/s)
[INFO] Archetype repository not defined. Using the one from [org.apache.maven.archetypes:maven-archetype-webapp:1.5] found in catalog remote
[INFO] Using property: groupId = DevOpsExp2
[INFO] Using property: artifactId = MyDevOpsPipeline
[INFO] Using property: version = 0.0.1-SNAPSHOT
[INFO] Using property: package = war
Confirm properties configuration:
groupId: DevOpsExp2
artifactId: MyDevOpsPipeline
version: 0.0.1-SNAPSHOT
package: war
Y: Y

```

- g.
- h. Type Y and Press enter, You should see a Build Success message as below:

```

Show Key Assist Ctrl+Shift+L
New Ctrl+N

Problems Servers Terminal Data Source Explorer Properties Console X
<terminated> C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_21.0.5.v20241023-1957\jre\bin\javaw.exe (26-Dec-2024, 7:07:36 pm) [pid: 5840]
[INFO] Parameter: groupId, Value: DevOpsExp2
[INFO] Parameter: artifactId, Value: MyDevOpsPipeline
[INFO] Parameter: version, Value: 0.0.1-SNAPSHOT
[INFO] Parameter: package, Value: war
[INFO] Parameter: packageInPathFormat, Value: war
[INFO] Parameter: package, Value: war
[INFO] Parameter: groupId, Value: DevOpsExp2
[INFO] Parameter: artifactId, Value: MyDevOpsPipeline
[INFO] Parameter: version, Value: 0.0.1-SNAPSHOT
[WARNING] CP Don't override file C:\Users\Dell\eclipse-workspace\MyDevOpsPipeline\src\main\webapp
[WARNING] CP Don't override file C:\Users\Dell\eclipse-workspace\MyDevOpsPipeline\src\main\WEB-INF
[INFO] Project created from Archetype in dir: C:\Users\Dell\eclipse-workspace\MyDevOpsPipeline
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 01:22 min
[INFO] Finished at: 2024-12-26T19:09:00+05:30
[INFO] -----

```

i.

#### 4. You should see the below structure in eclipse:

The screenshot shows the Eclipse IDE interface. On the left, the Project Explorer displays the project structure:

- MyDevOpsPipeline
  - Deployment Descriptor: MyDevOpsPipeline
  - JAX-WS Web Services
  - Java Resources
  - Deployed Resources
  - src
    - main
      - webapp
      - WEB-INF
      - index.jsp
  - target
  - pom.xml

The main editor shows the 'pom.xml' file with the following content:

```

15 <properties>
16 <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
17 <maven.compiler.source>8</maven.compiler.source>
18 <maven.compiler.target>8</maven.compiler.target>
19 </properties>
20
21 <dependencies>
22 <dependency>
23 <groupId>junit</groupId>
24 <artifactId>junit</artifactId>
25 <version>4.13.1</version>
26 <scope>test</scope>
27 </dependency>
28 </dependencies>
29
30 </dependencies>
31
32 <build>
33 <finalName>MyDevOpsPipeline</finalName>

```

At the bottom, the Console tab shows 1 error and 2 warnings. The error is:

Description	Resource	Path	Location	Type
The default superclass, "javax.servlet.http.HttpServlet" is not found in the classpath	index.jsp	/MyDevOpsPipeline/src/main/webapp	line 1	JSP Problem

Click on pom.xml to open the file.

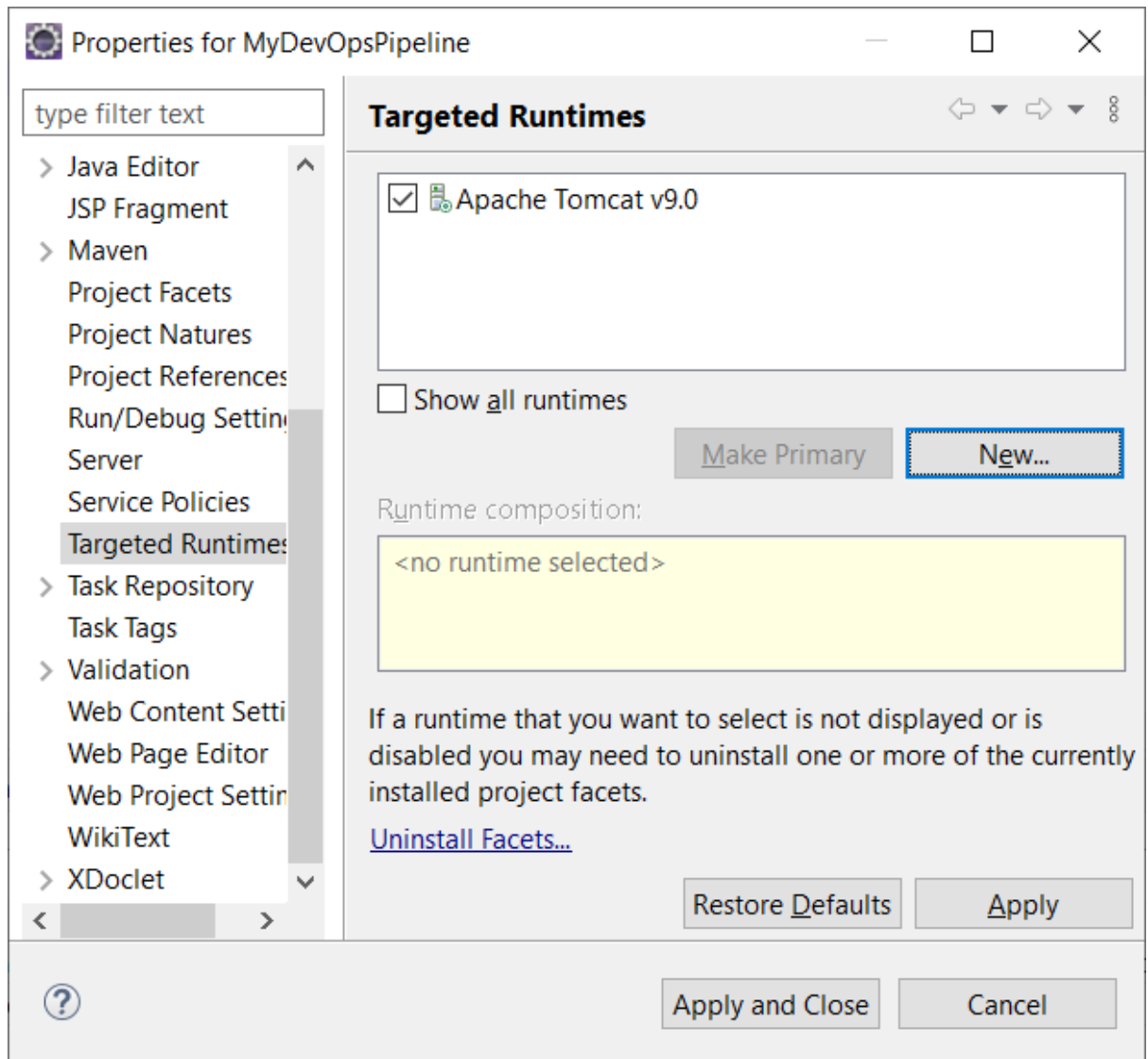
Add the below dependencies to the pom.xml:

```
<dependency>
  <groupId>javax.servlet</groupId>
  <artifactId>javax.servlet-api</artifactId>
  <version>3.1.0</version>
  <scope>provided</scope>
</dependency>
```

```
<dependency>
  <groupId>org.testng</groupId>
  <artifactId>testng</artifactId>
  <version>7.10.2</version>
  <scope>test</scope>
</dependency>
```

```
<dependency>
  <groupId>org.seleniumhq.selenium</groupId>
  <artifactId>selenium-java</artifactId>
  <version>4.27.0</version>
</dependency>
```

5. Install Tomcat 9.0-
  - a. Download apache-tomcat-9.0.98.zip
  - b. Extract to C:\
  - c. Add Tomcat to Runtime by:
  - d. Open Project Properties, and Click on TargettedRuntime




Click on New and Select Apache Tomcatv9.0 as below, and click Next

New Server Runtime Environment

New Server Runtime Environment

Define a new server runtime environment



Select the type of runtime environment:

type filter text

▼ Apache

Apache Tomcat v7.0

Apache Tomcat v8.0

Apache Tomcat v8.5

Apache Tomcat v9.0

Apache Tomcat v10.0

Apache Tomcat v10.1

Apache Tomcat v9.0 supports J2EE 1.2, 1.3, 1.4, and Java EE 5, 6, 7, and 8 Web modules.

☒ Create a new local server

?


< Back

Next >

Finish

Cancel

Give the extracted folder of Tomcat 9.0 as below, and Click Finish.

 New Server Runtime Environment

**Tomcat Server**

Specify the Tomcat installation directory and JRE for this runtime. The specified JRE controls the highest supported Java Facet version.

Name:

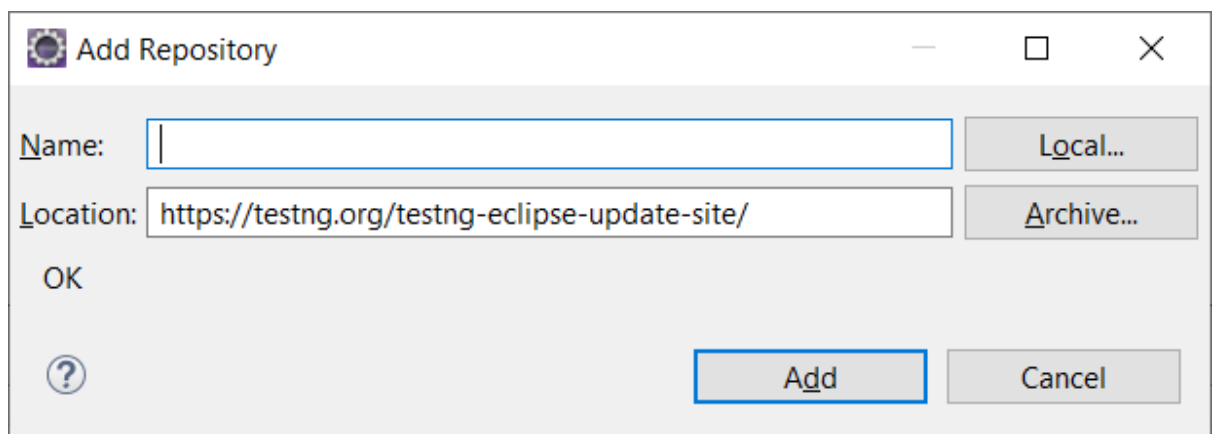
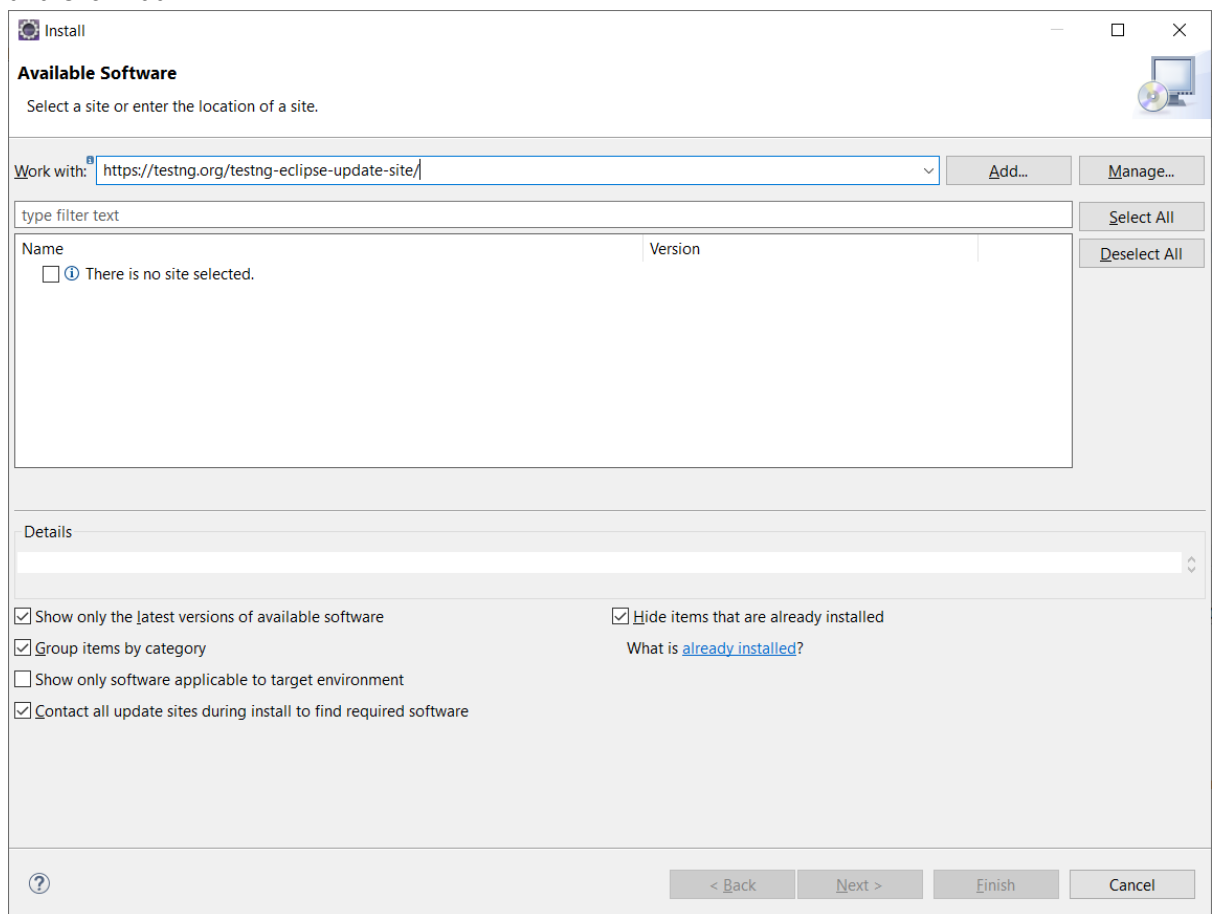
Tomcat installation directory:

apache-tomcat-9.0.95


JRE:

6. Open index.jsp and Press Ctrl+Shift+f , this will set the alignment of the jsp.

7. Click Help-> Install New Software, and give <https://testng.org/testng-eclipse-update-site/> and Click Add






 Add Repository

Name:

Location:

OK




Add

Cancel

Local...

Archive...

 Install

Available Software

Check the items that you wish to install.

Work with:

type filter text

Name	Version
<input type="checkbox"/> Pending...	

Select All

Deselect All

Details

☒ Show only the latest versions of available software

☒ Hide items that are already installed


☒ Group items by category

What is [already installed](#)?

☐ Show only software applicable to target environment

☒ Contact all update sites during install to find required software

Fetching children

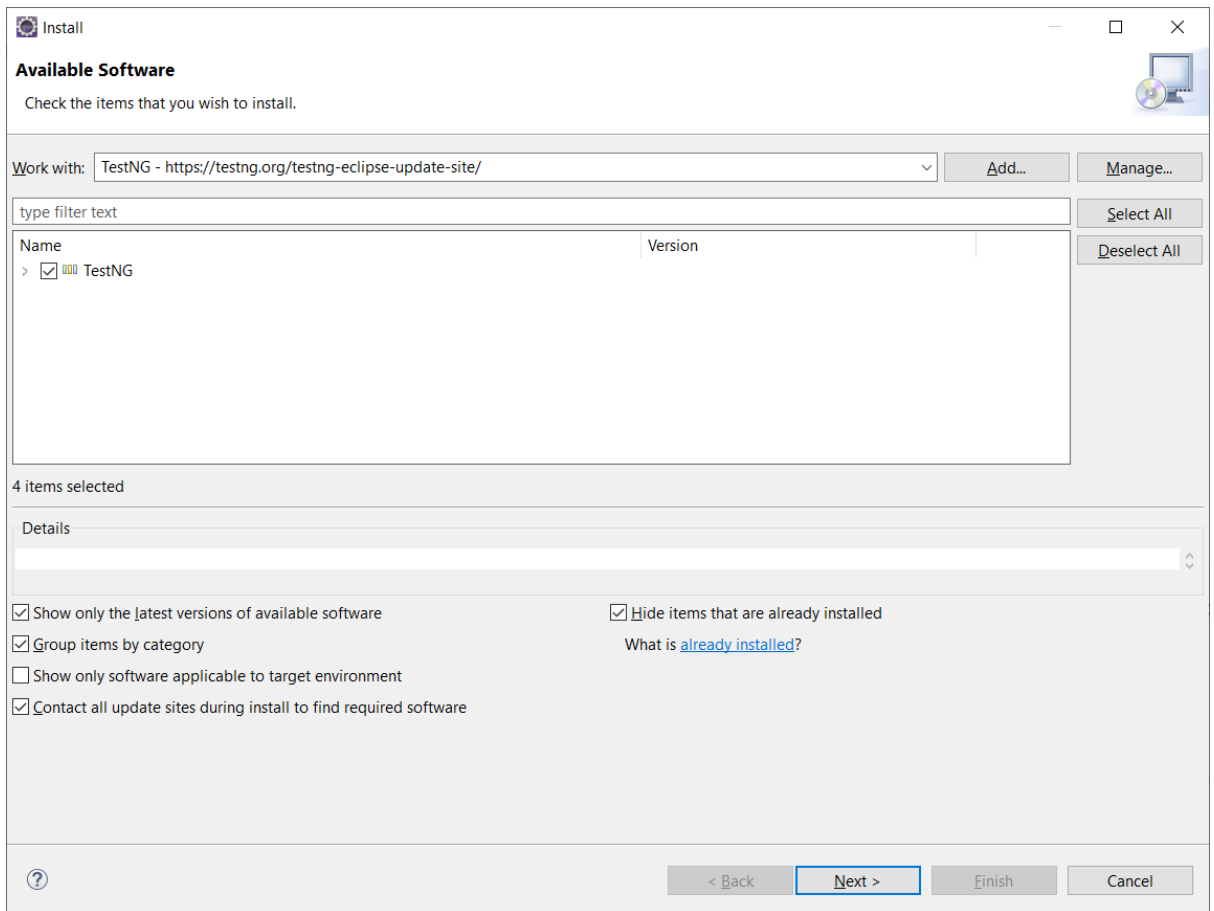


< Back

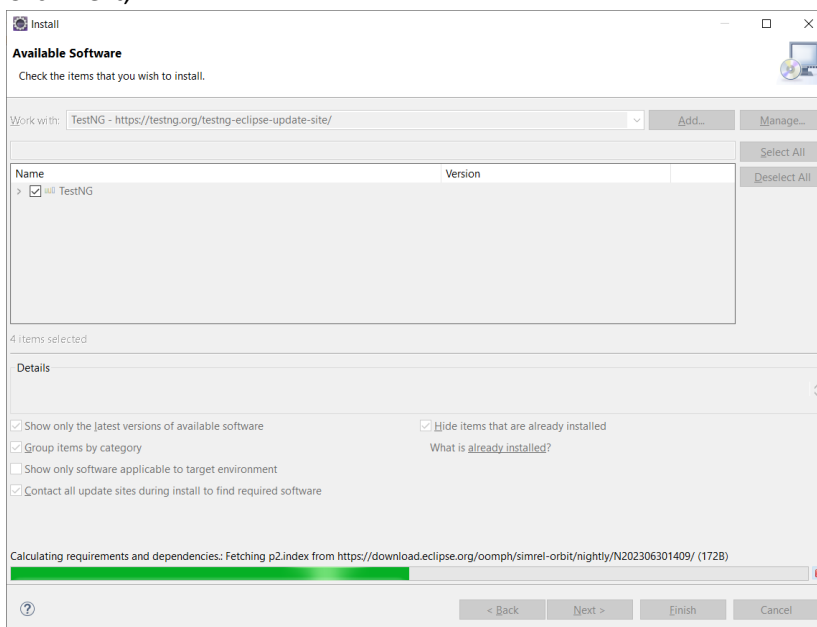
Next >

Finish

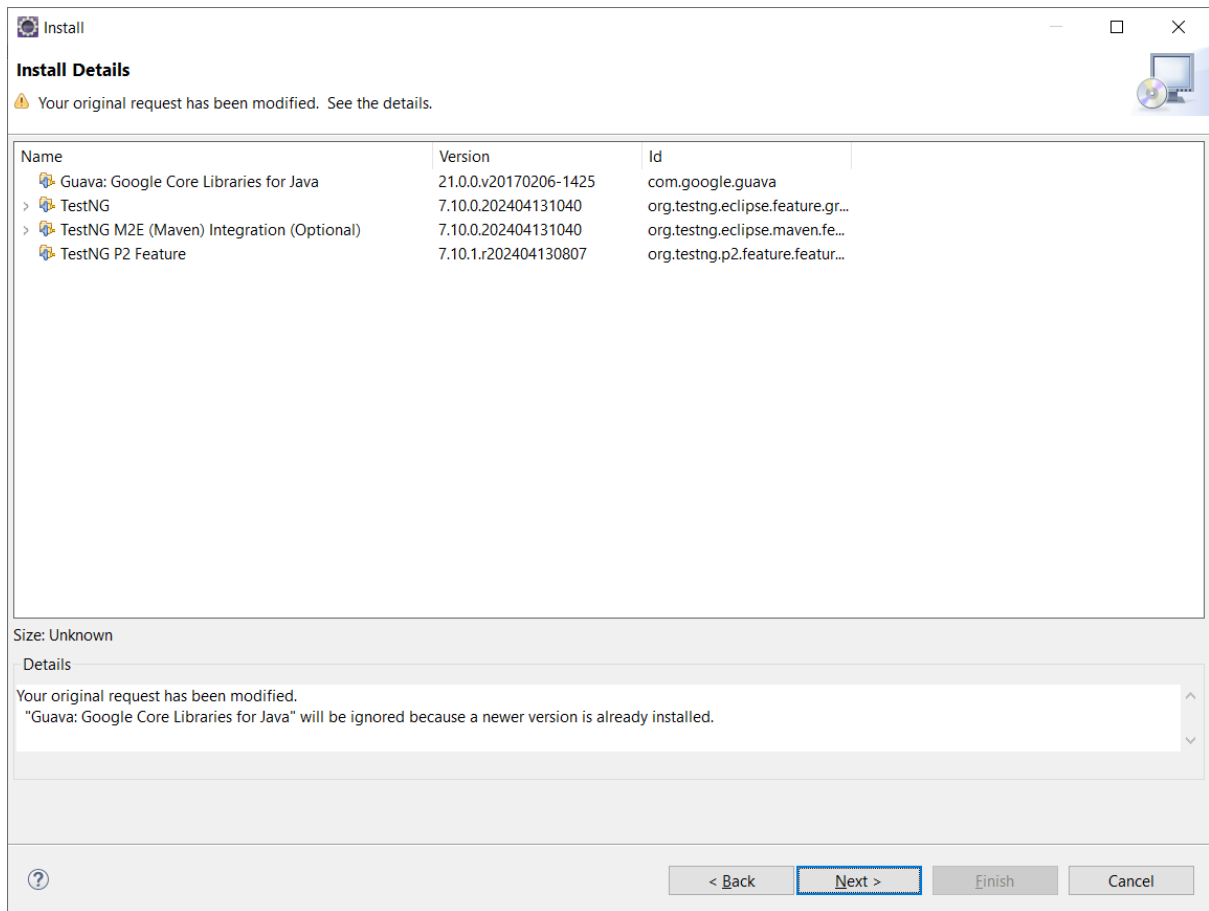
Cancel



Click Next,



Wait until you get the below;



Click Next, and accept the license through the radio button and then click Finish as below:

Install

Review Licenses

Licenses must be reviewed and accepted before the software can be installed.

Licenses:

> Apache License

License text:

Apache License  
Version 2.0, January 2004  
<http://www.apache.org/licenses/>  
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION  
1. Definitions.  
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.  
"Licensor" shall mean the copyright owner or entity authorized by the copyright owner that is granting the License.  
"Legal Entity" shall mean the union of the acting entity and all other entities that control, are controlled by, or are under common control with that entity. For the purposes of this definition, "control" means (i) the power, direct or indirect, to cause the direction or management of such entity, whether by contract or otherwise, or (ii) ownership of fifty percent (50%) or more of the outstanding shares, or (iii) beneficial ownership of such entity.  
"You" (or "Your") shall mean an individual or Legal Entity exercising permissions granted by this License.  
"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.  
"Object" form shall mean any form resulting from mechanical transformation or translation of a Source form, including but not limited to

☒ I accept the terms of the license agreement

☐ I do not accept the terms of the license agreement

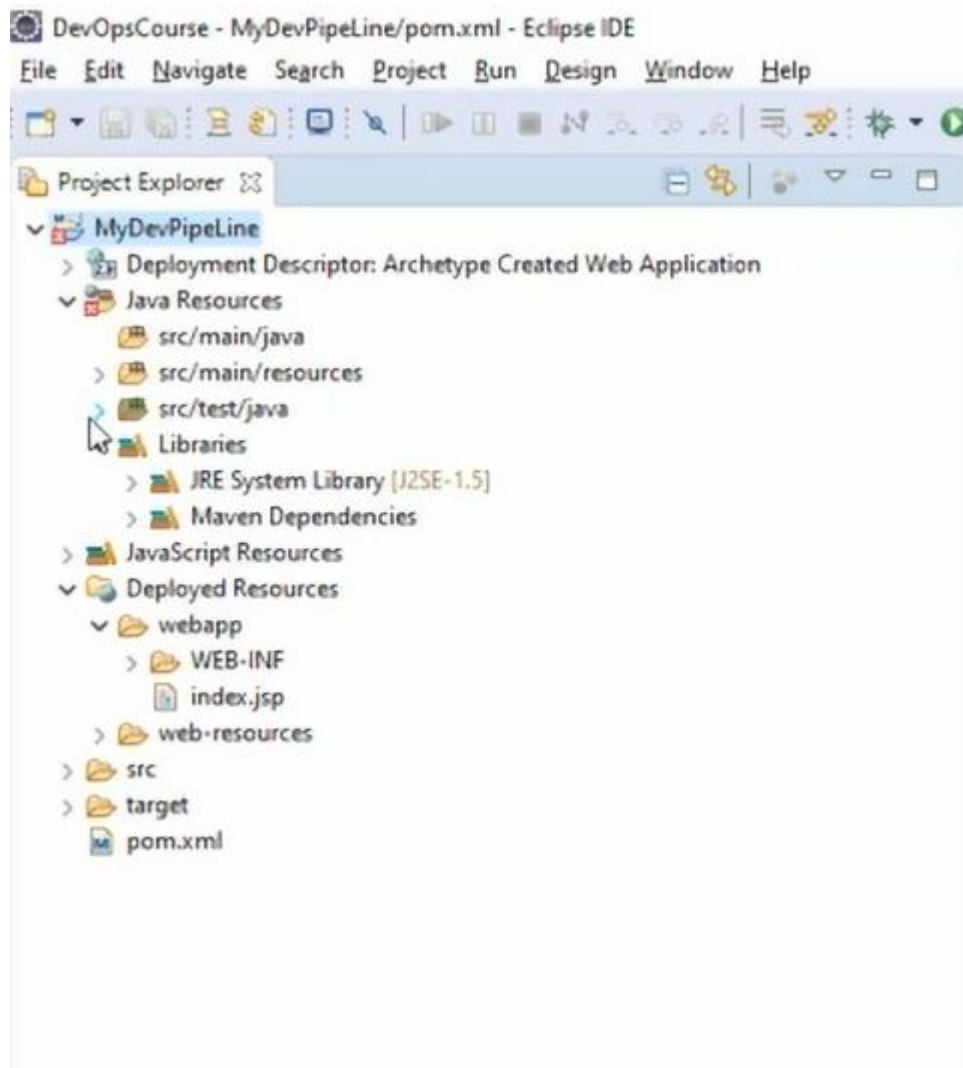
?

< Back

Next >


Finish

Cancel



Source code in src/main/java and test cases in src/test/java


Goto Eclipse Marketplace and install EGIT

Eclipse Marketplace


Select solutions to install. Press Install Now to proceed with installation.  
Press the "more info" link to learn more about a solution.

Search
Recent
Popular
Favorites
Installed
Research@Eclipse


Find: EGIT
All Markets
All Categories
Go



### EGit - Git Integration for Eclipse 5.4.2

EGit is the Git integration for Eclipse. Git is a distributed versioning system, which means every developer has a full copy of all history of every revision of... [more info](#)

by [Eclipse.org](#) EPL  
egit jgit git devcs scm


★ 1155
 Installs: 538K (3,266 last month)
Installed




### Gitflow Nightly

Nightly build of the Gitflow integration for Eclipse EGit. [more info](#)

by [The Eclipse Foundation](#) EPL  
egit git workflow scm distributed version control


★ 83
 Installs: 11.0K (265 last month)
Install



### Gonsole 1.3

Gonsole is a Git console for the Eclipse IDE. Git commands can be entered directly into the Eclipse Console View and display their output within this view.... [more info](#)

by [codeaffine](#) EPL  
IDE git console egit

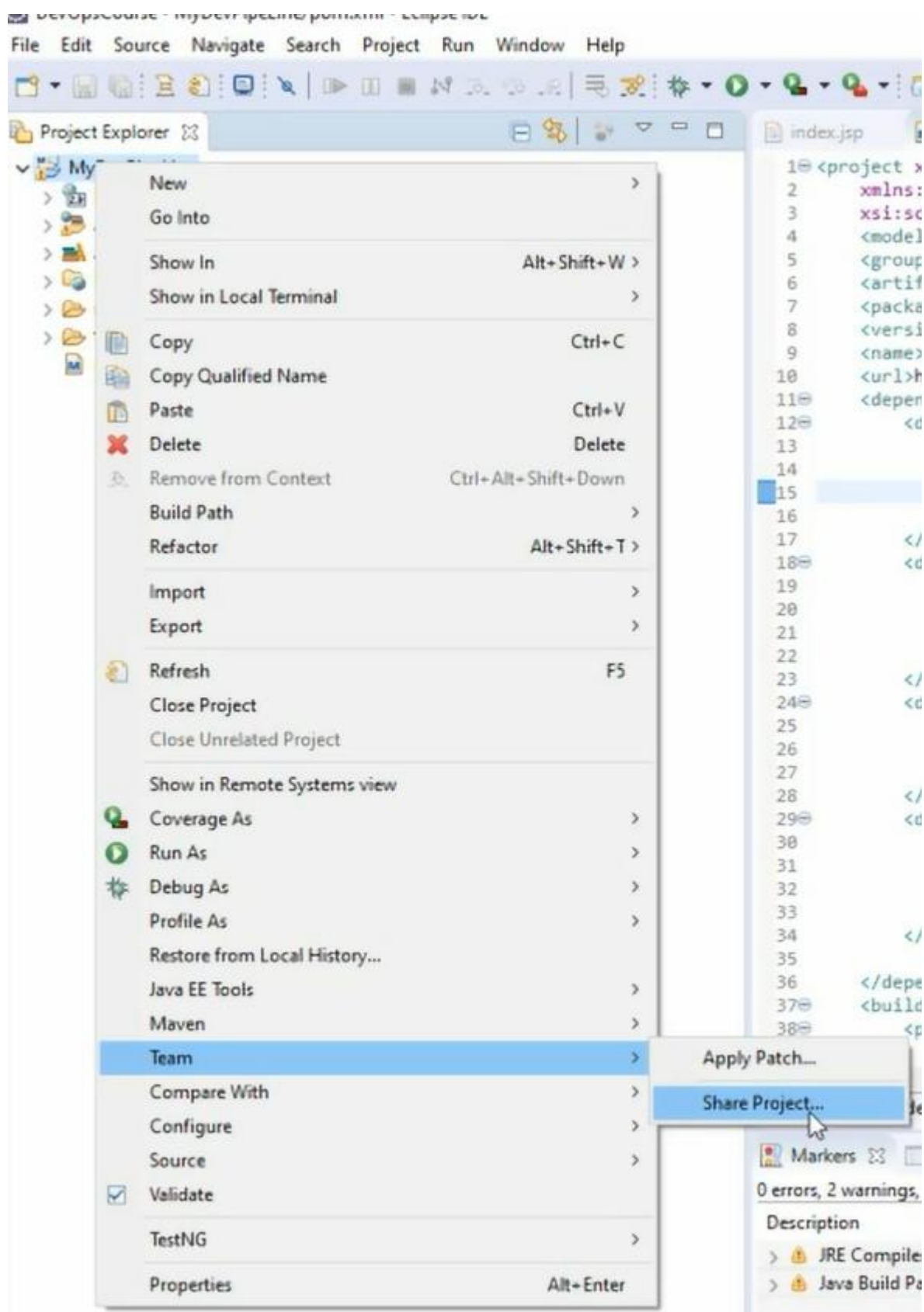
★ 105
 Installs: 47.3K (284 last month)
Install

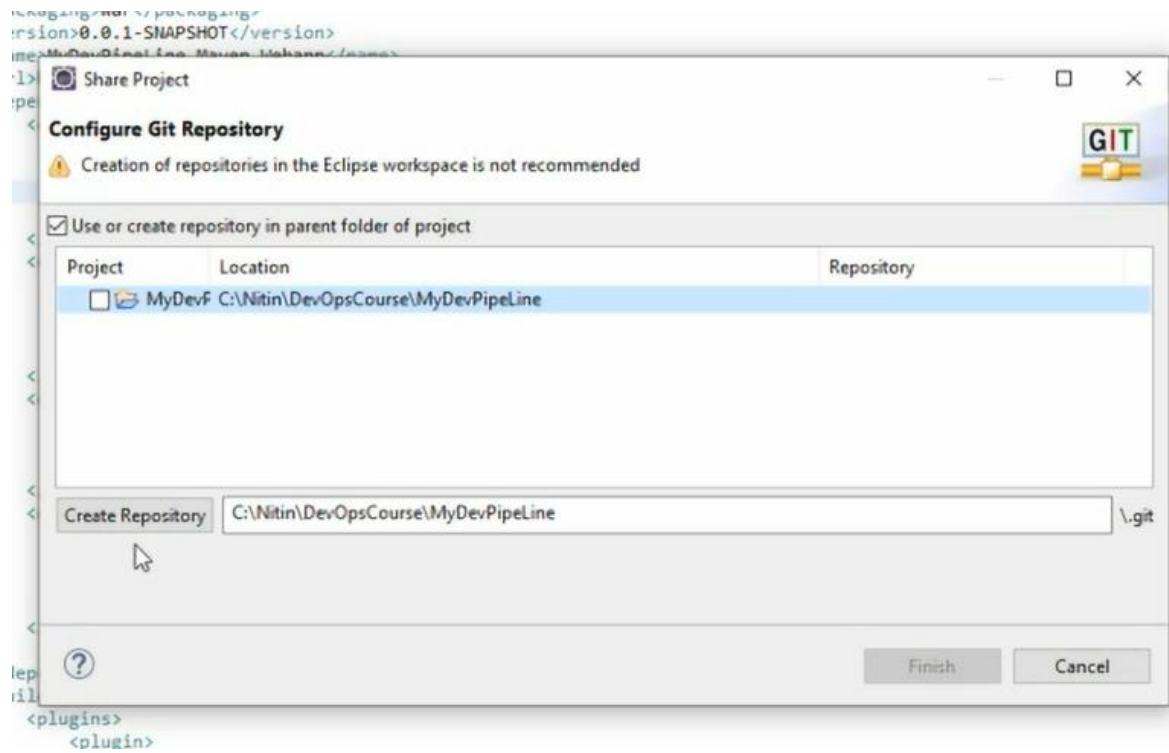
Marketplaces



?
< Back
Install Now >
Finish
Cancel

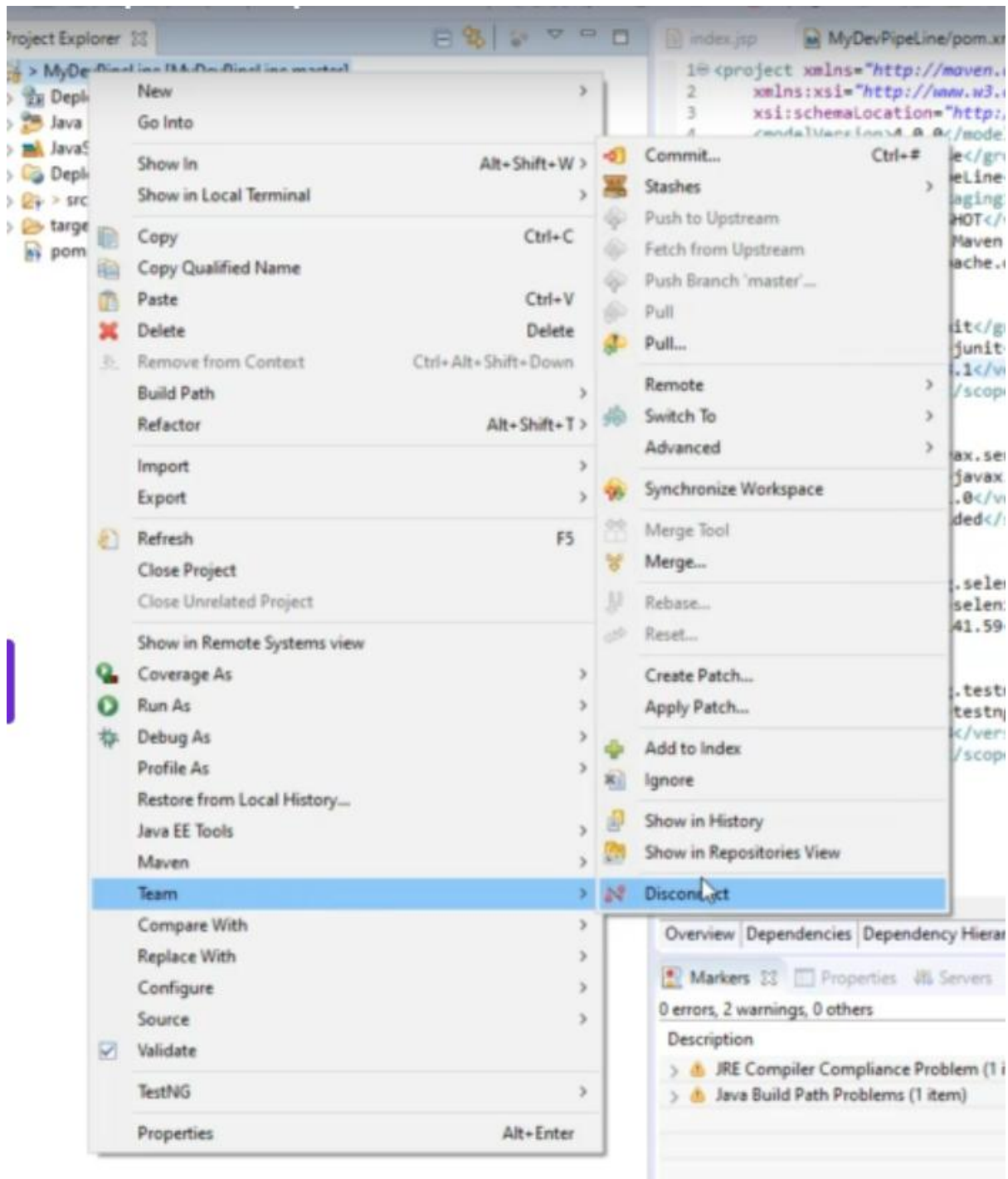
Project-> Team→ share Project





Click Create Repository,





Goto Github and create a repository

## 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

Great repository names are short and memorable. Need inspiration? How about **verbose-winner**?

Description (optional)

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

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

- ☐ **Initialize this repository with a README**  
This will let you immediately clone the repository to your computer.

Add .gitignore:  Add a license:

Create repository

Read the guide

nitikavi / MyFirstDevOpsPipeline

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights Settings

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

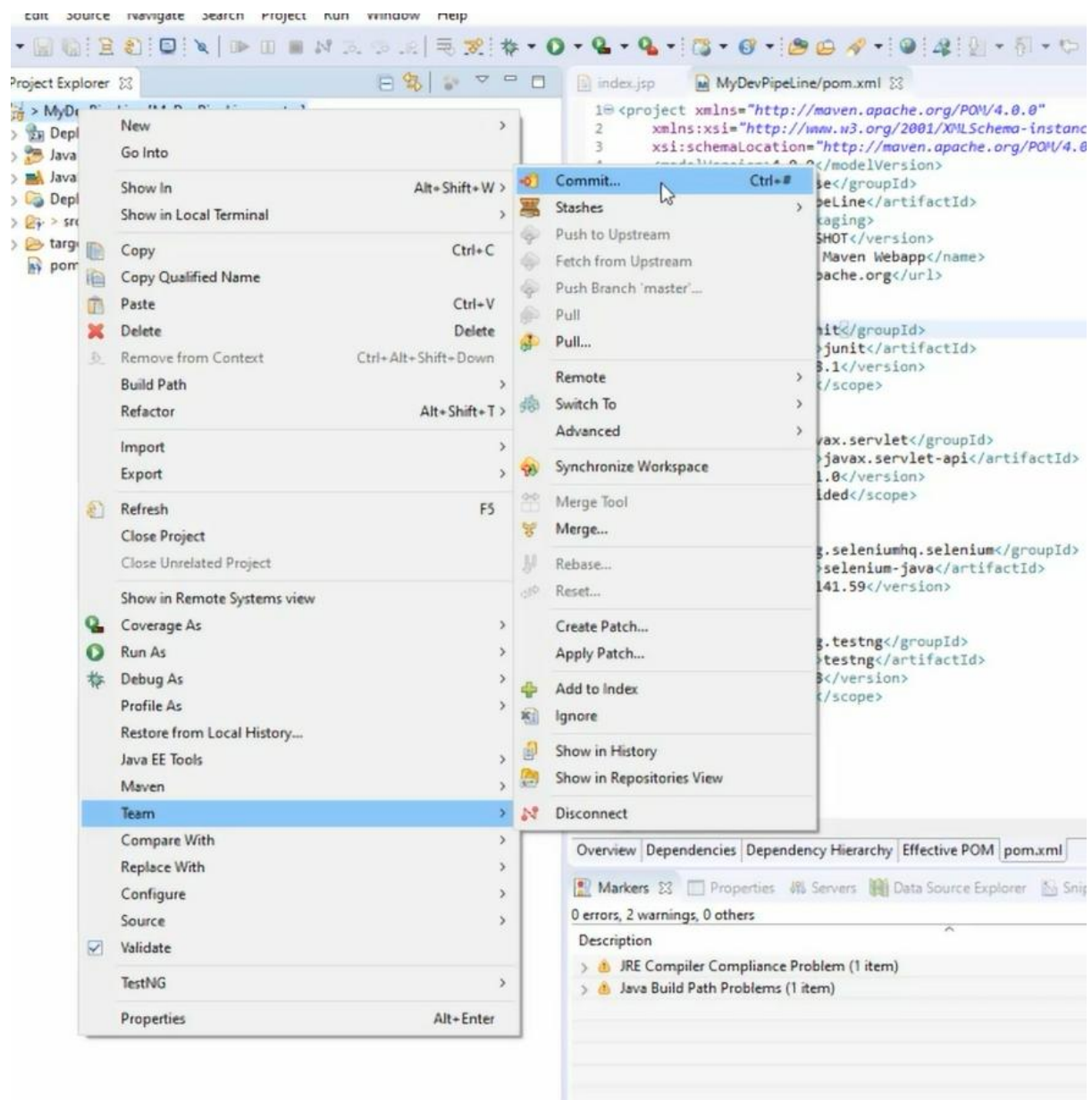
Set up in Desktop or

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

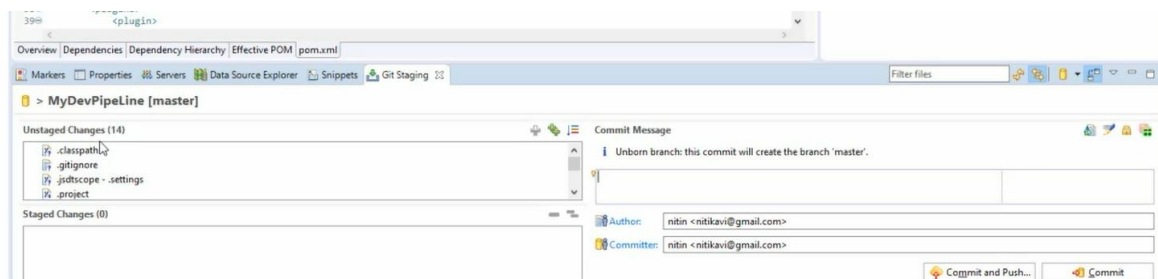
### ...or create a new repository on the command line

```
echo "# MyFirstDevOpsPipeline" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/nitikavi/MyFirstDevOpsPipeline.git
git push -u origin master
```

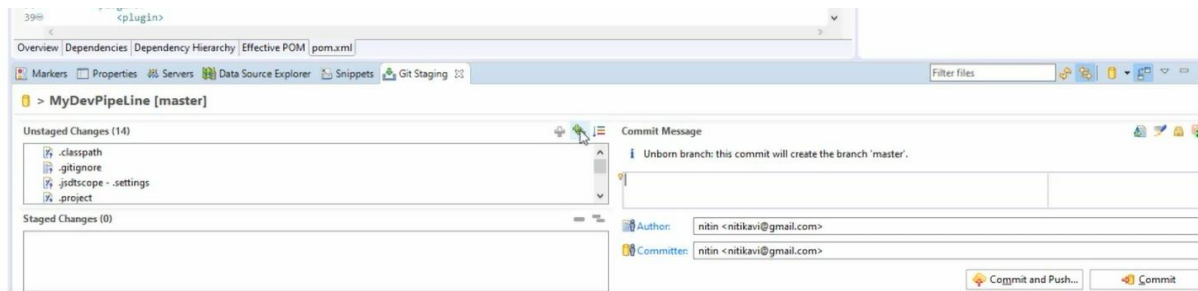
Now, go back to Eclipse and commit,



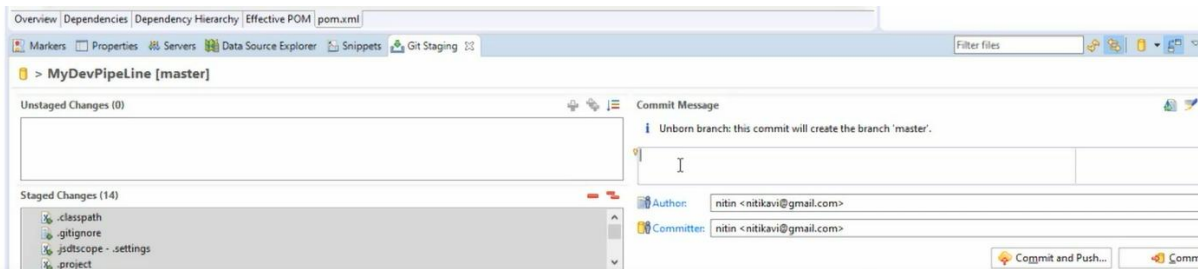
It shows the project is unstaged:



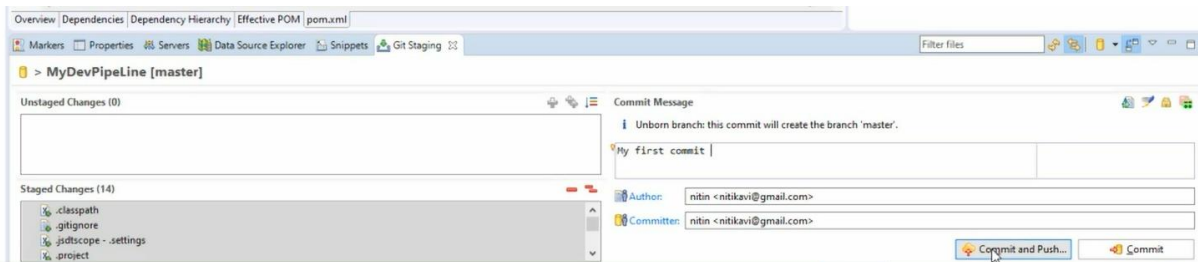
Click on green icon to add files to staging



It looks as below

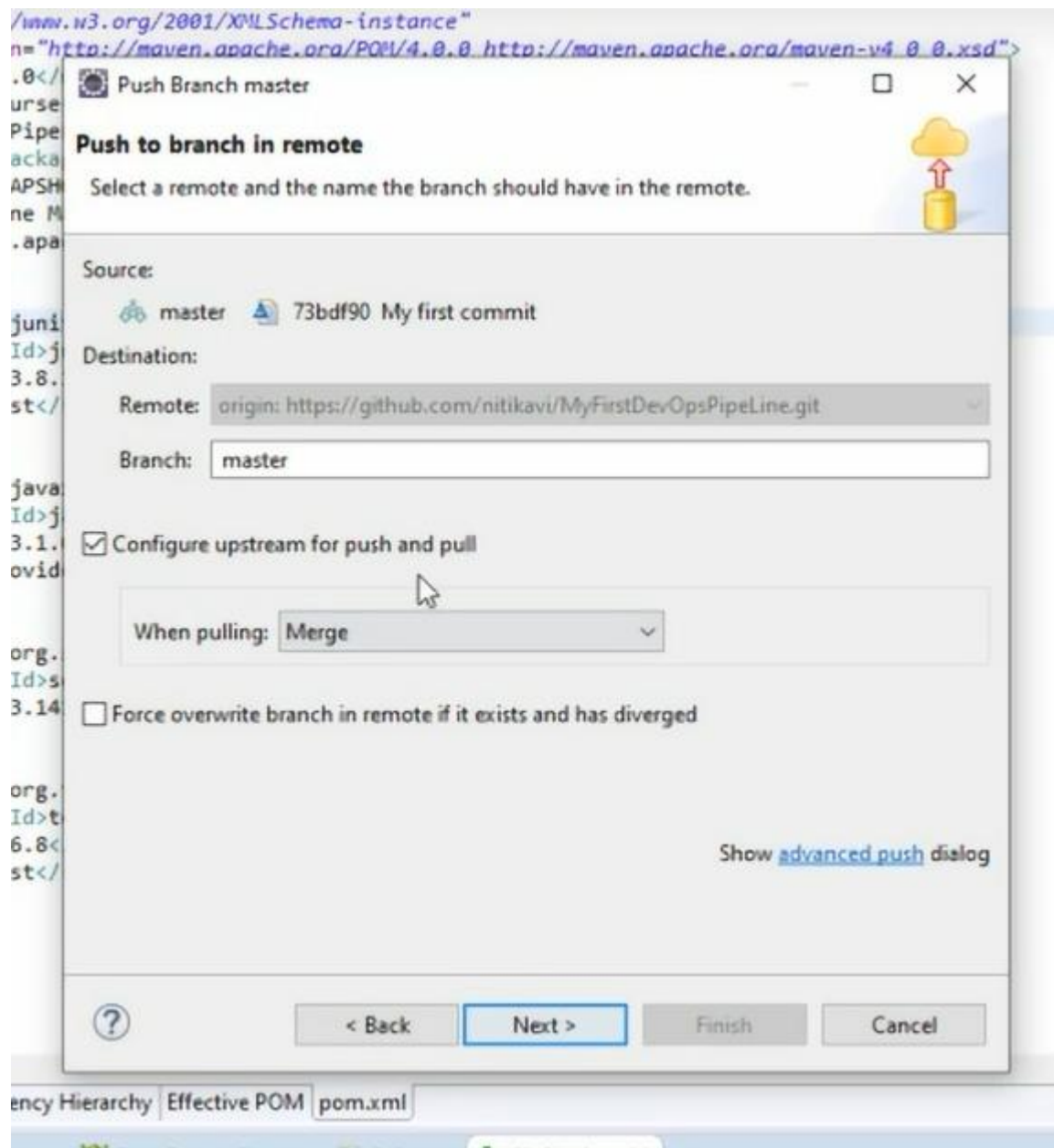


Write a commit message and select Commit and Push.

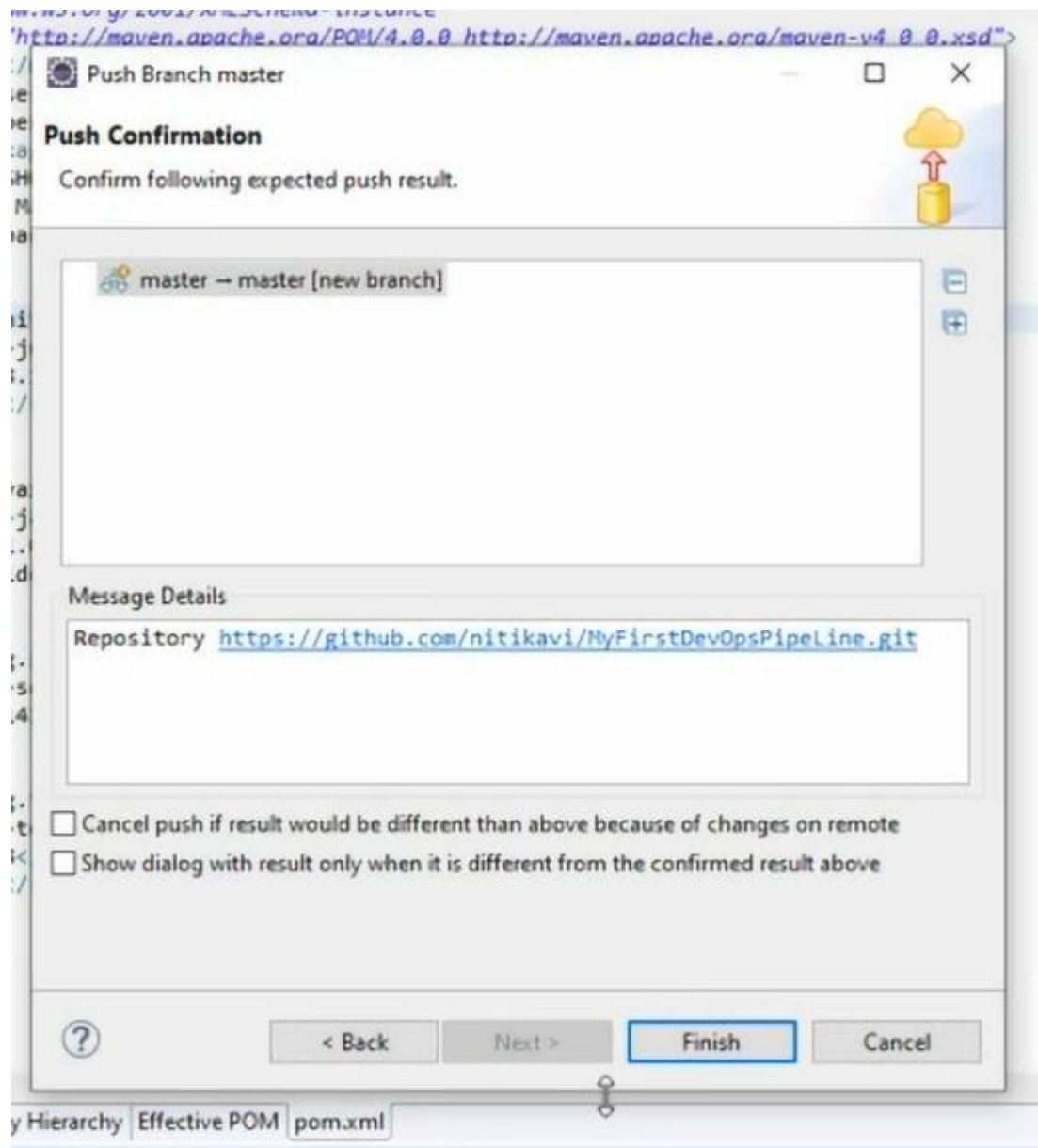


It will ask for repository, automatically pop up otherwise give the URL, username and password for github

Click Next



Click Next



Click Finish



```
cd>myDevPipeline</artifacts>
```

```
ng>war</packaging>
```

```
>0.0.0-SNAPSHOT
```

```
DevF Push Results: https://github.com/nitikavi/MyFirstDevOpsPipeLine.git
```

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>://
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```
ncie Pushed to https://github.com/nitikavi/MyFirstDevOpsPipeLine.git
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Push Branch master

### Destination Git Repository

Enter the location of the destination repository.

Remote name:

Location

URI:

Host:

Repository path:

Connection

Protocol:

Port:

Authentication

User:

Password:

☒ Store in Secure Store



v.w3.org/2001/XMLSchema-instance"

http://maven.apache.org/POM/4.0.0 http://maven.apache.org/maven-v4\_0\_0.xsd">

Push Branch master

### Destination Git Repository

Enter the location of the destination repository.

Remote name:

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URI:

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Repository path:

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Protocol:

Port:

Authentication

User:

Password:

☒ Store in Secure Store

Hierarchy Effective POM pom.xml

Goto Github and check the repository:

nitikavi / MyFirstDevOpsPipeLine

Unwatch

1

Star

0

Fork

0

Code

Issues 0

Pull requests 0

Projects 0

Wiki

Security

Insights

Settings

No description, website, or topics provided.

Manage topics

1 commit

1 branch

0 releases

1 contributor

Branch: master

New pull request

Create new file

Upload files

Find File

Clone or download

nitikavi My first commit

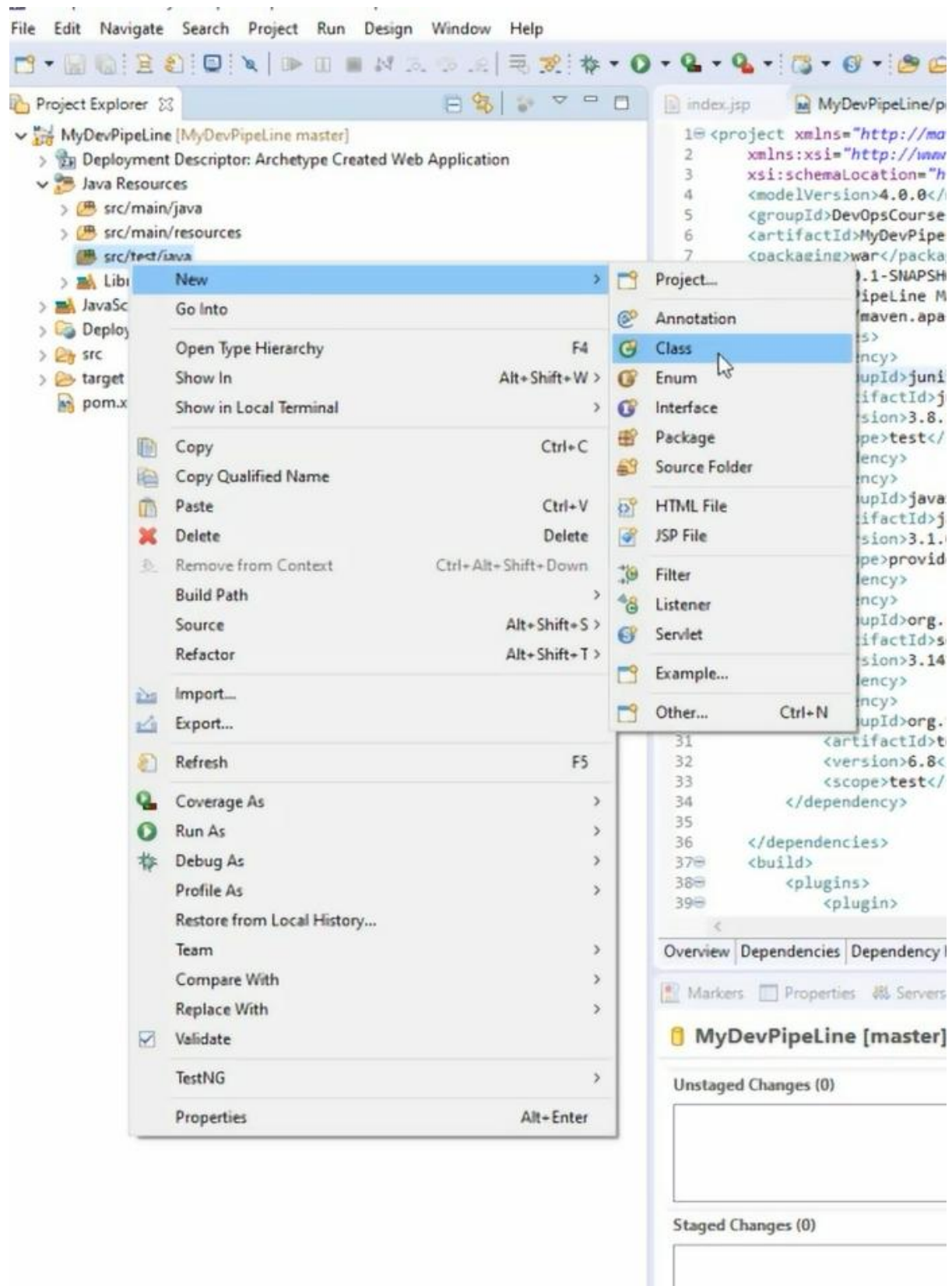
Latest commit 73bdf90 2 minutes ago

.settings	My first commit	2 minutes ago
src/main/webapp	My first commit	2 minutes ago
.classpath	My first commit	2 minutes ago
.gitignore	My first commit	2 minutes ago
.project	My first commit	2 minutes ago
pom.xml	My first commit	2 minutes ago

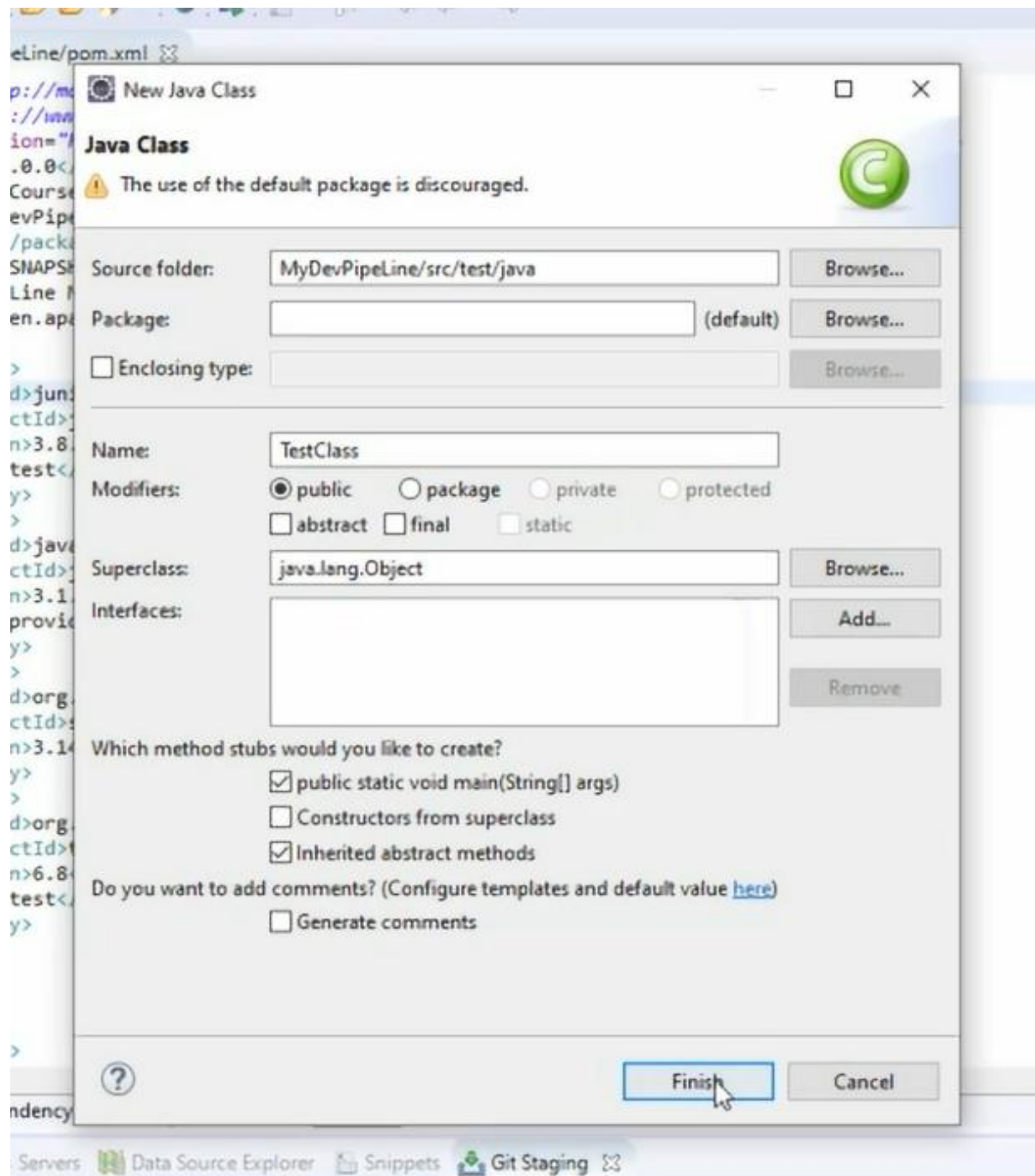
Help people interested in this repository understand your project by adding a README.

Add a README

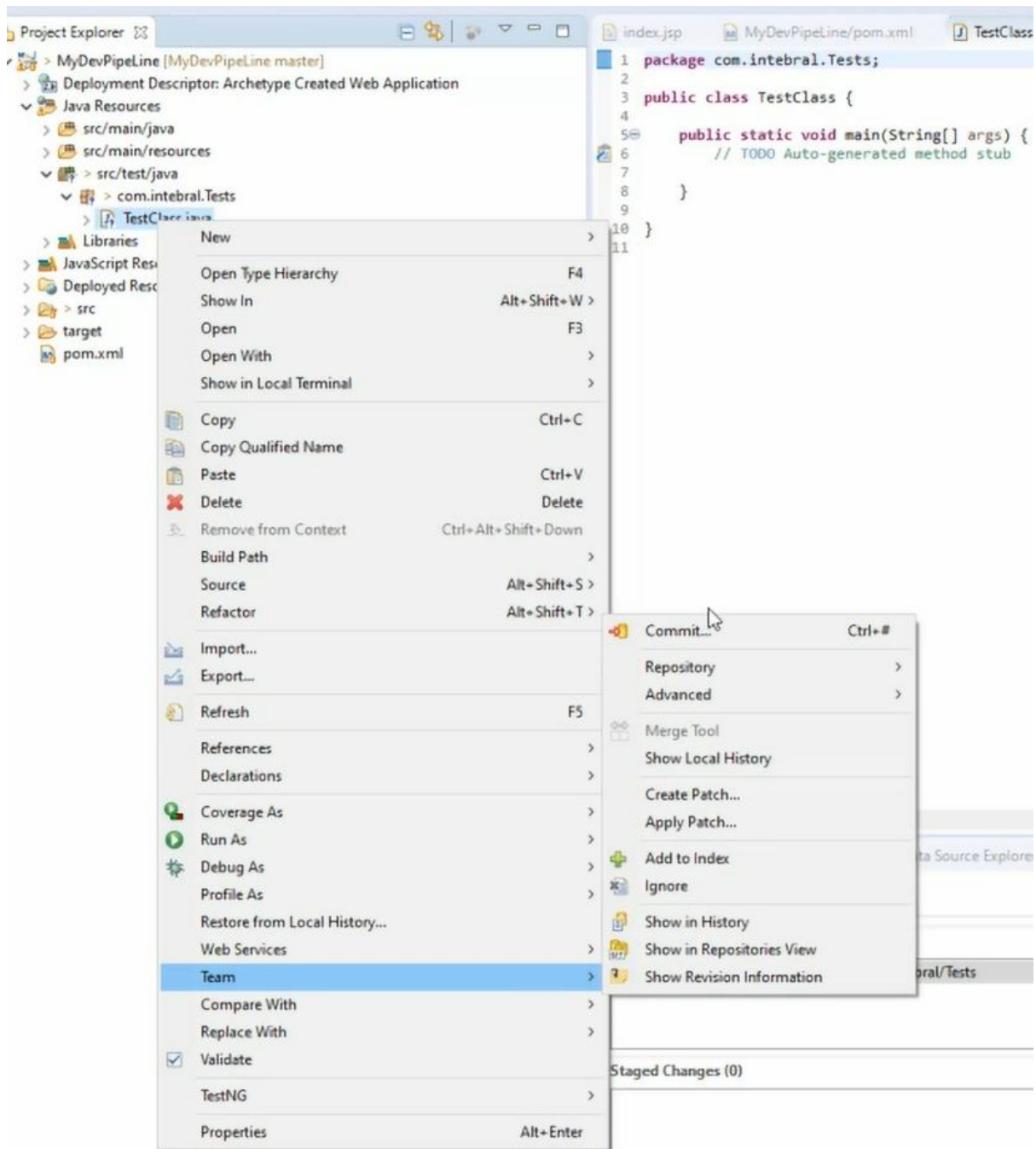
Src/test is not checked in as there are no files, so you can create some testing class as below:



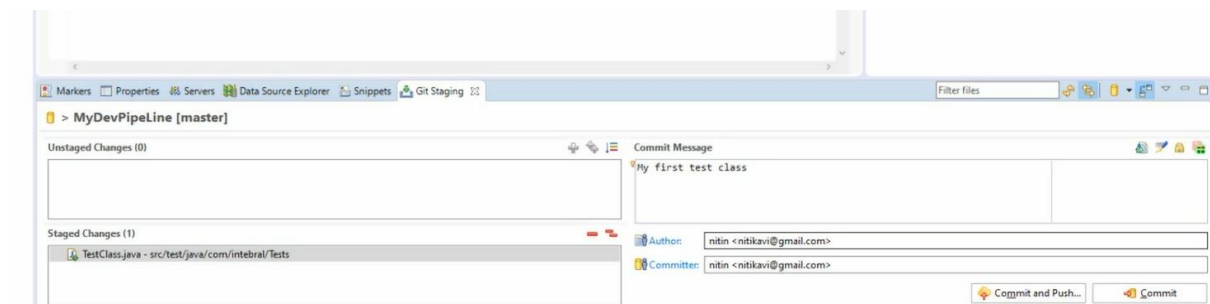
Give a Name and check the checkbox to create public static void main and click Finish.



Add a package name **com.internal.Tests**;

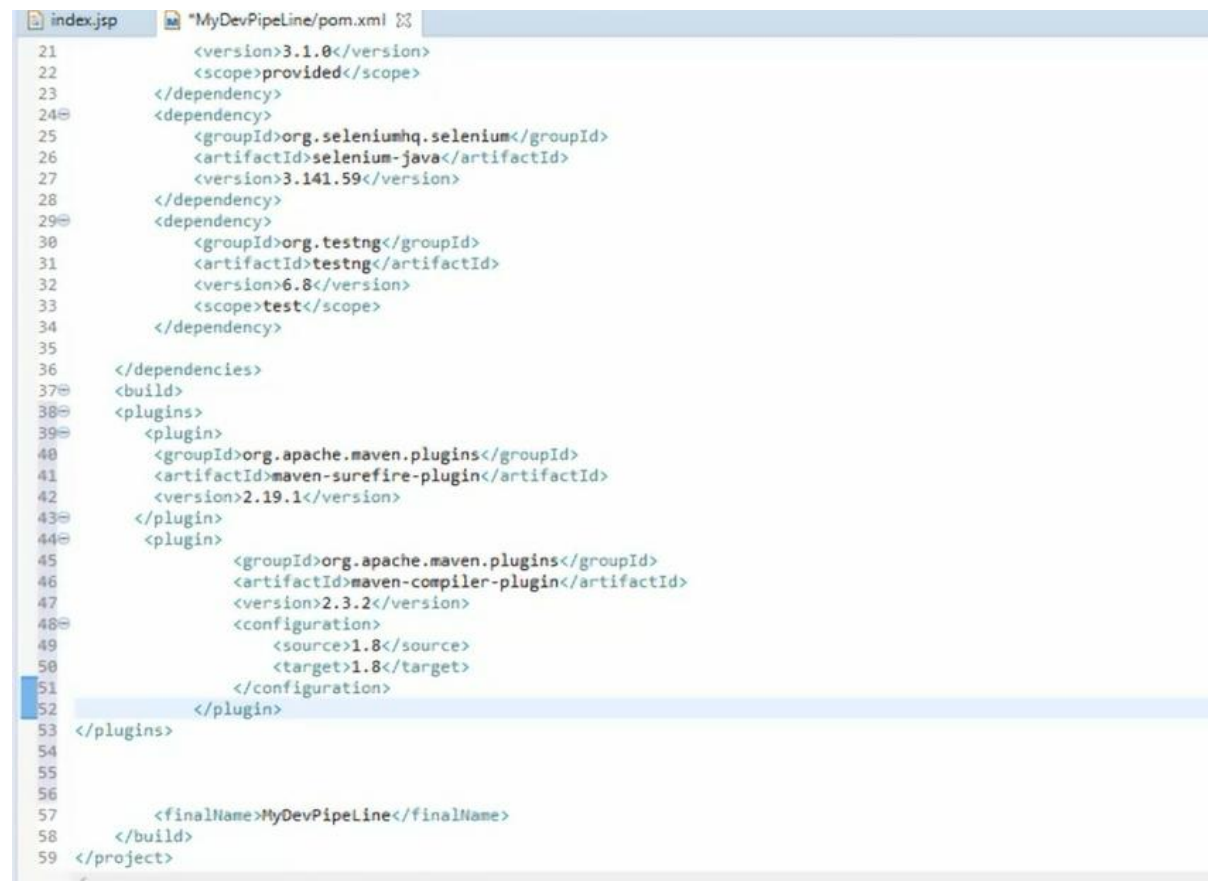


Add to staging, then give commit message and commit



Note For setting surefire for selenium and Java 1.8 compiler for

Add the below to pom.xml under plugins:



```
21     <version>3.1.0</version>
22     <scope>provided</scope>
23 </dependency>
24 <dependency>
25     <groupId>org.seleniumhq.selenium</groupId>
26     <artifactId>selenium-java</artifactId>
27     <version>3.141.59</version>
28 </dependency>
29 <dependency>
30     <groupId>org.testng</groupId>
31     <artifactId>testng</artifactId>
32     <version>6.8</version>
33     <scope>test</scope>
34 </dependency>
35
36 </dependencies>
37 <build>
38 <plugins>
39     <plugin>
40         <groupId>org.apache.maven.plugins</groupId>
41         <artifactId>maven-surefire-plugin</artifactId>
42         <version>2.19.1</version>
43     </plugin>
44     <plugin>
45         <groupId>org.apache.maven.plugins</groupId>
46         <artifactId>maven-compiler-plugin</artifactId>
47         <version>2.3.2</version>
48         <configuration>
49             <source>1.8</source>
50             <target>1.8</target>
51         </configuration>
52     </plugin>
53 </plugins>
54
55
56
57     <finalName>MyDevPipeLine</finalName>
58 </build>
59 </project>
```