1.14 Maven Configuration

This section will guide you to:

* Install and configure Maven for Selenium Project in Eclipse.

This guide has mainly four sub-sections, namely:

1.14.1 Installing Maven in Eclipse

1.14.2 Creating a Maven project

1.14.3 Adding Maven dependencies

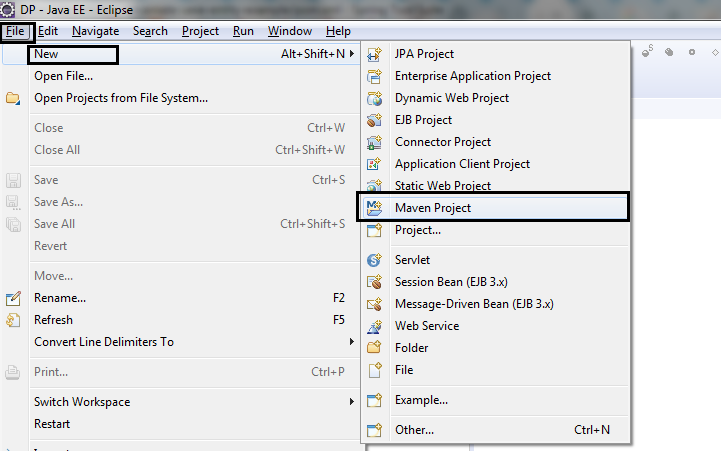
1.14.4 Pushing the code to your GitHub repositories

**Step 1.14.1:** Installing Maven in Eclipse

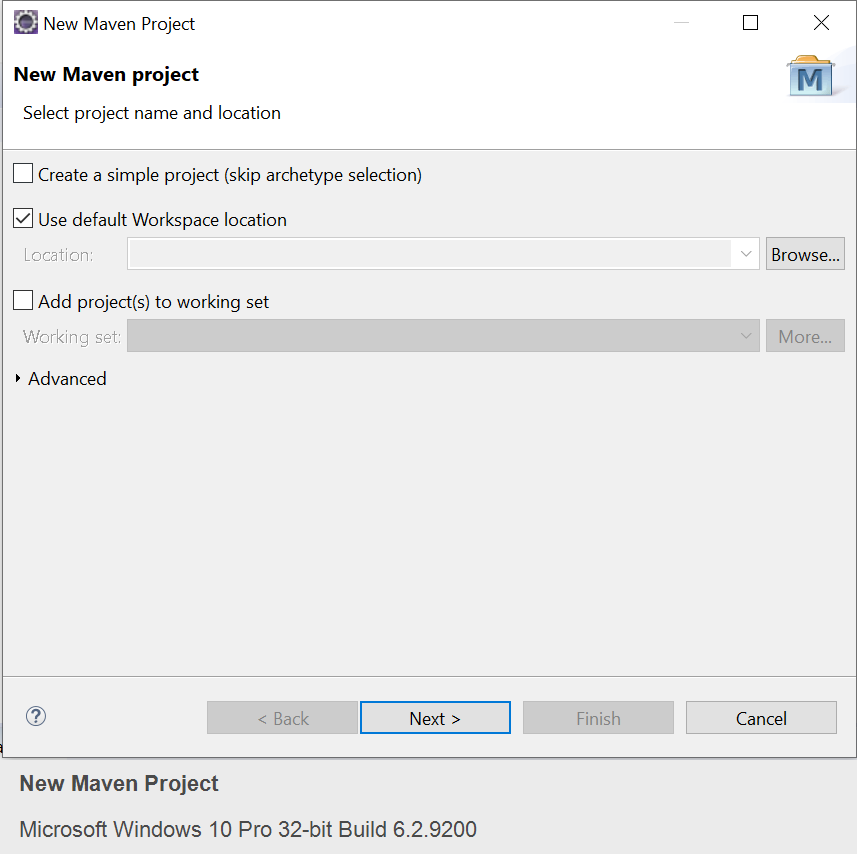
1. Maven integration for Eclipse is already installed in your Practice lab. Refer to QA to QE lab guide for Phase 2 for more information.

**Step 1.14.2:** Creating a Maven project

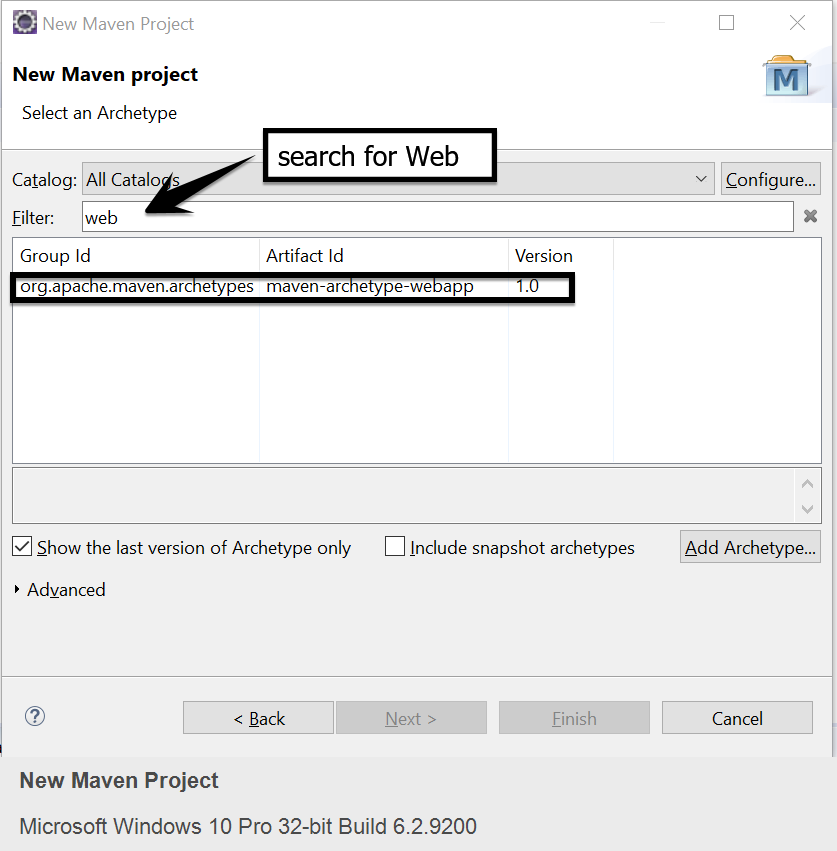
1. Open Eclipse.
2. Click on File->New->Maven project.



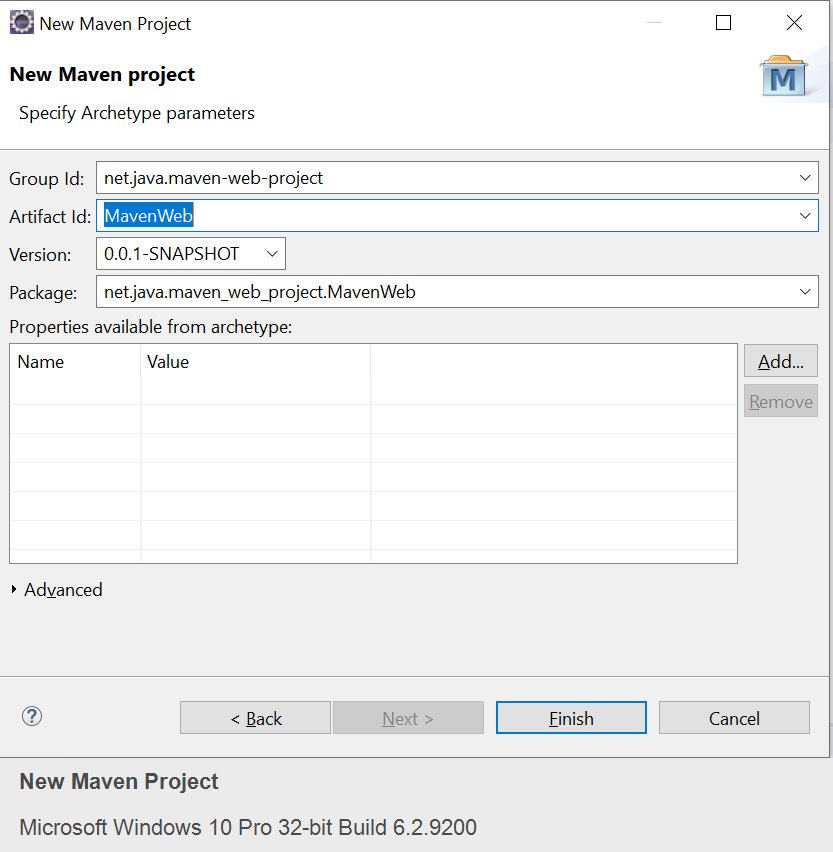
1. Select the default workspace location.
2. Click on **Next**.



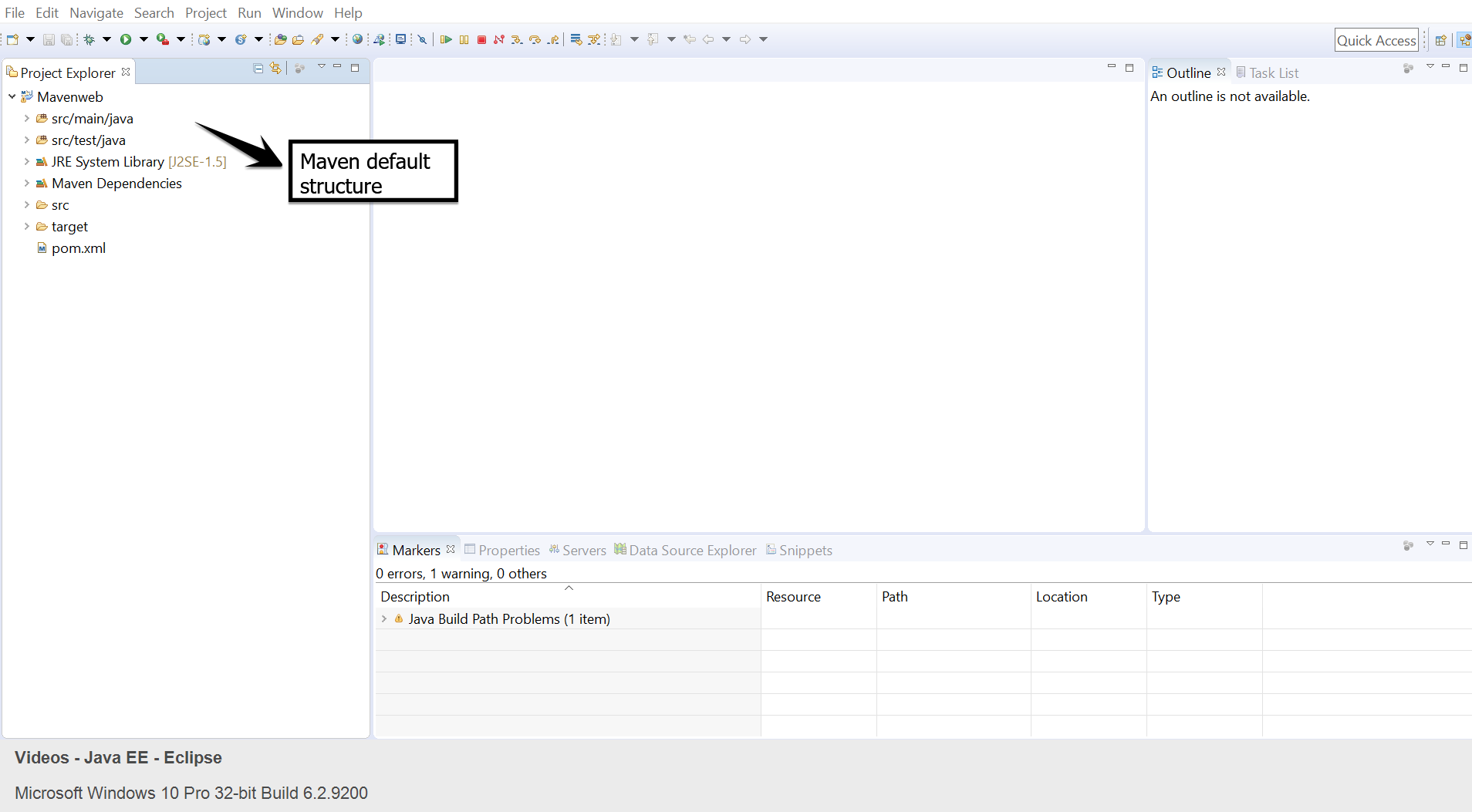
1. Select the Maven archetype as maven-archetype-webapps and click on **Next**.



1. Enter the Group ID and Artifact ID and click on **Finish**.



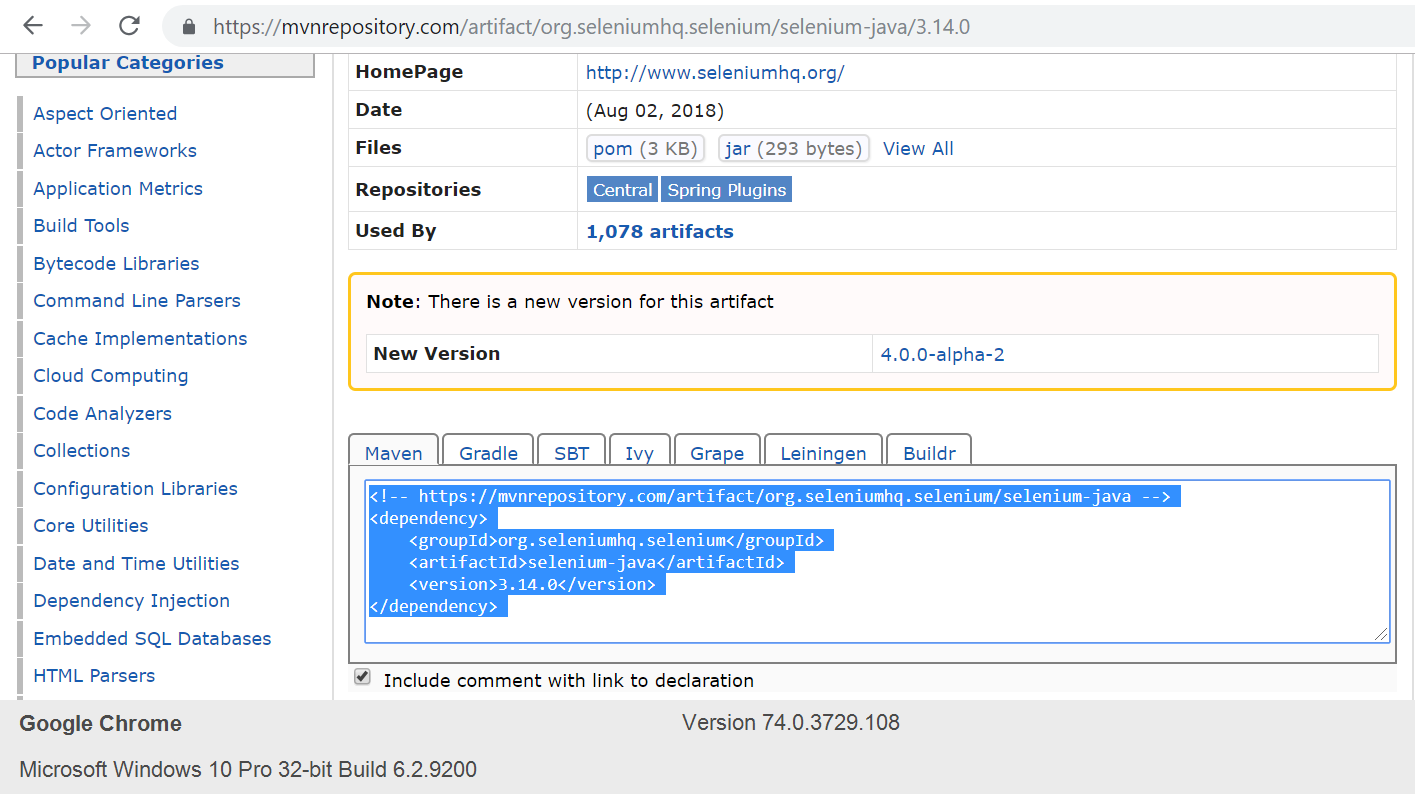
1. You are all set. The new Maven structure will look like the below screenshot:



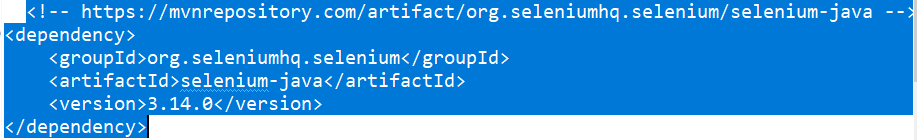
**Step 1.14.3:** Adding Maven Dependency

* If we are using the Selenium web driver, then we need to specify the Selenium web driver dependencies to our pom.xml.

1. Go to Maven Repository: <https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java/3.14.0>
2. Copy the dependency.

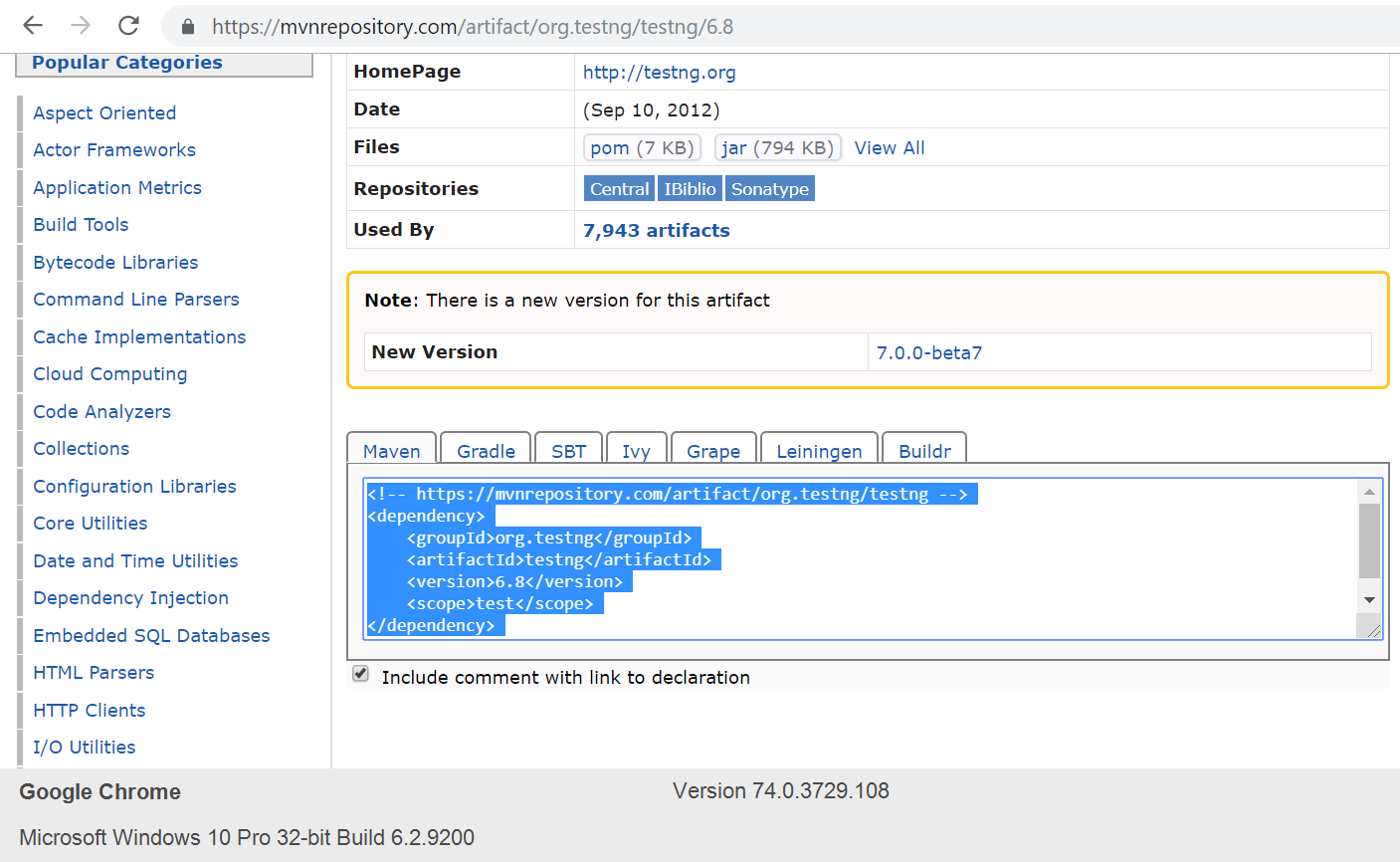


1. Go to Eclipse.
2. Open the Pom.xml file from the project.
3. Paste the dependency in the Pom.xml file:

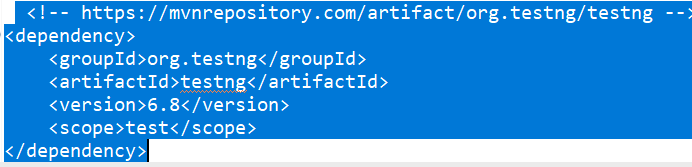


* If we are using TestNG, then we need to specify the TestNG dependencies to our pom.xml

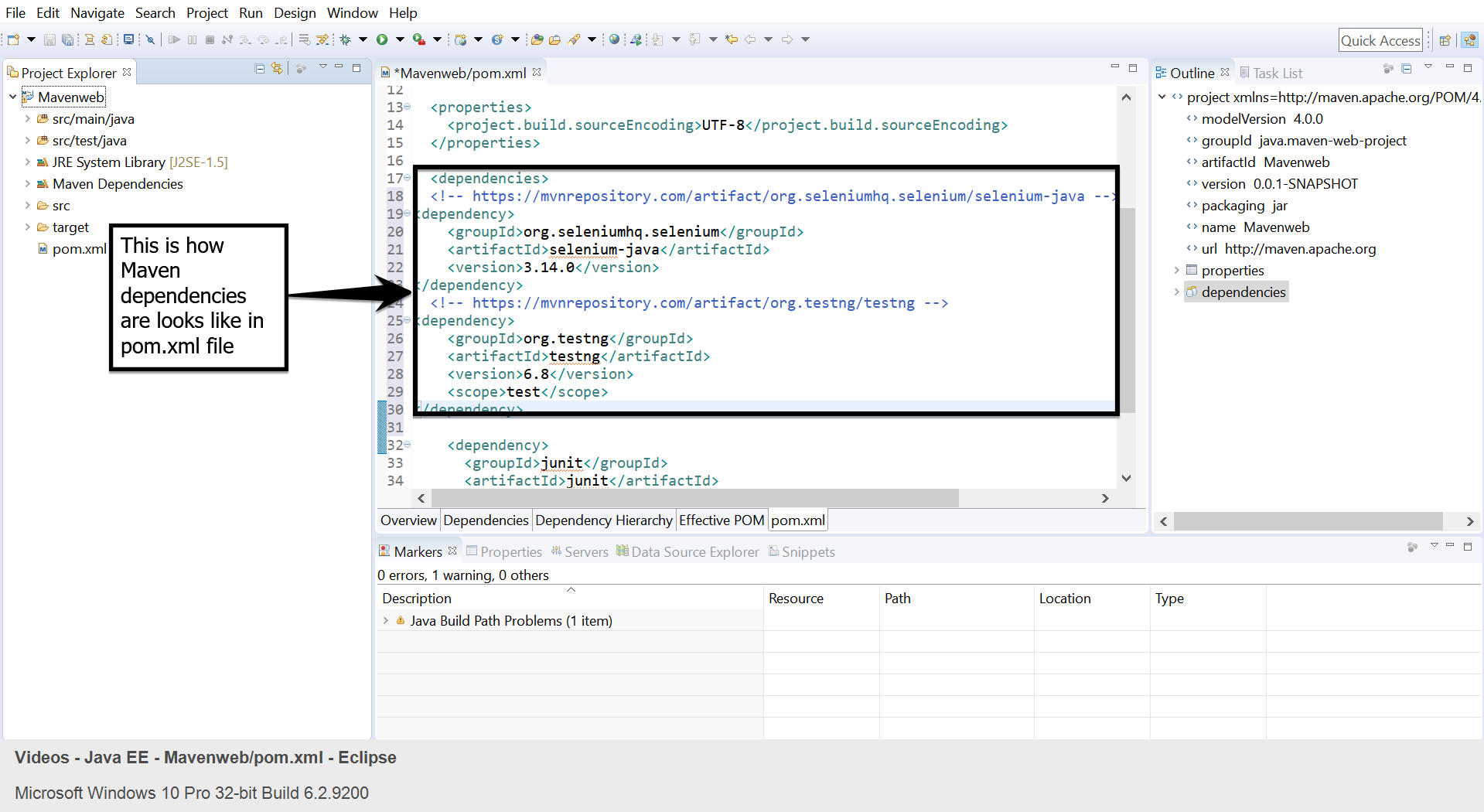
1. Go to the Maven Repository: <https://mvnrepository.com/artifact/org.testng/testng/6.8>
2. Copy the dependency.



1. Go to Eclipse.
2. Open the Pom.xml file from the project.
3. Paste the dependency in the Pom.xml file:



1. This is what the Maven dependencies will look like in the pom.xml file.



**Step 1.14.4:** Pushing the code to your GitHub repositories

Open your command prompt and navigate to the folder where you have created your files.

cd <folder path>

Initialize your repository using the following command:

git init

Add all the files to your git repository using the following command:

git add . 

Commit the changes using the following command:

git commit . -m “Changes have been committed.”

Push the files to the folder you initially created using the following command:

git push -u origin master