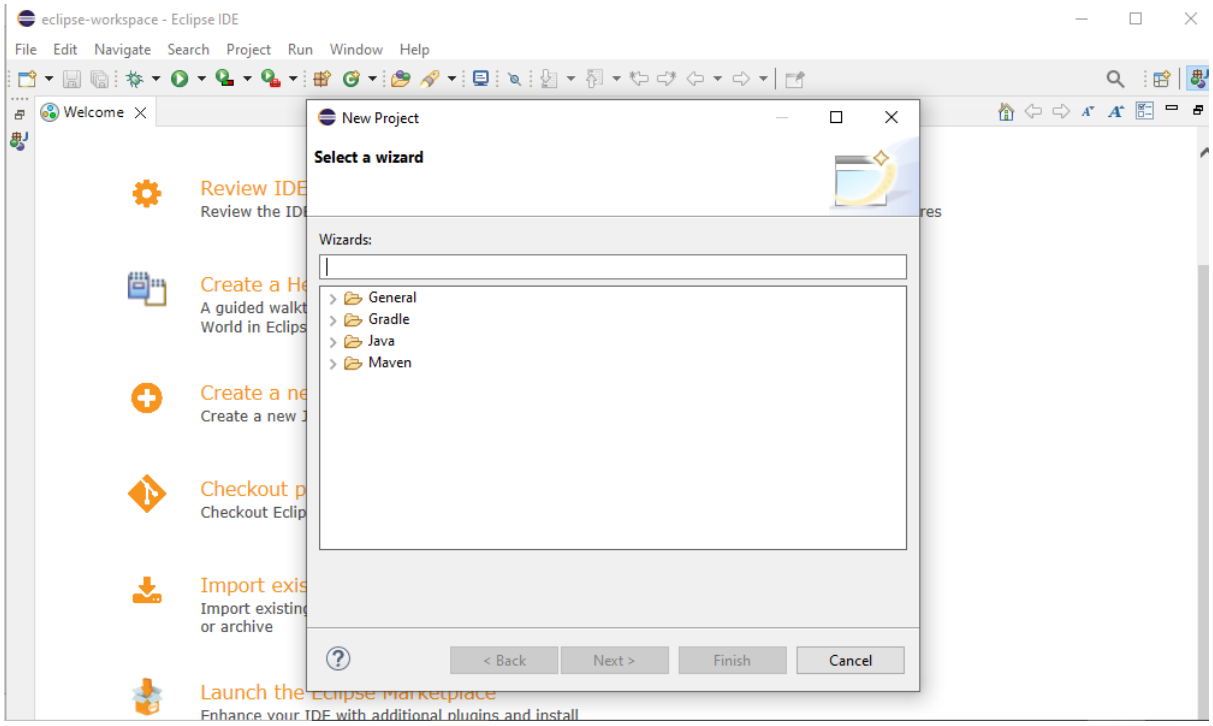
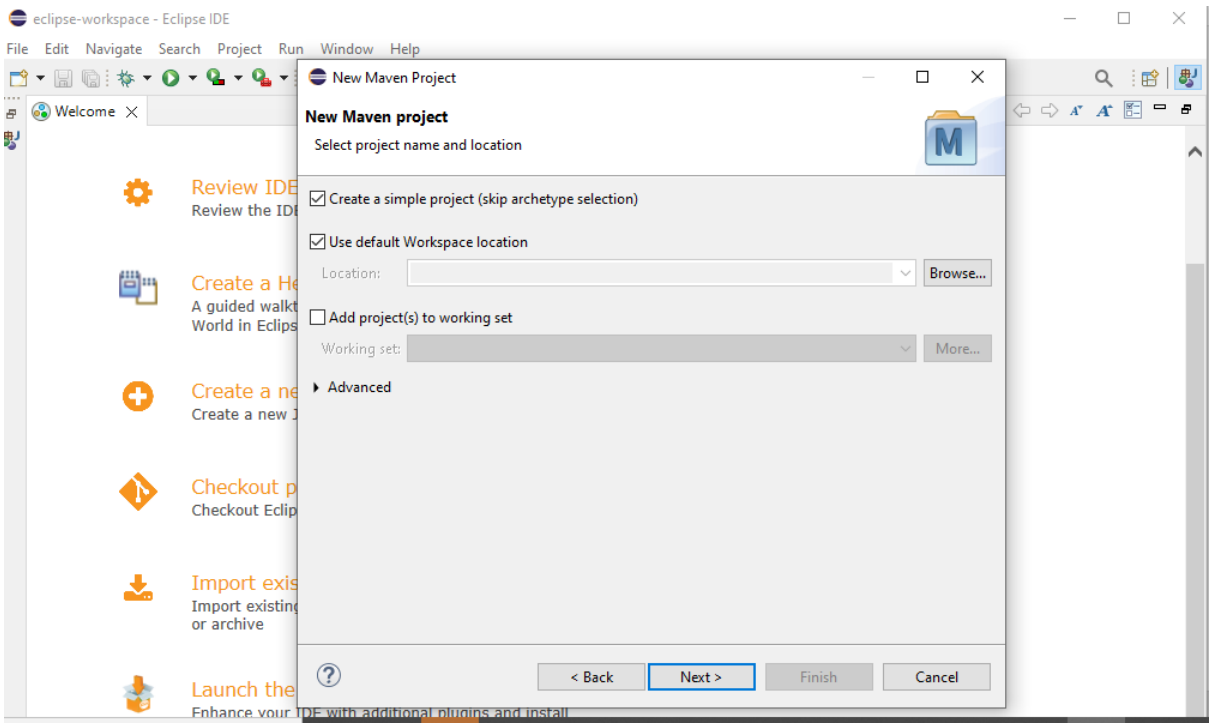
Problem2:

Create a Maven enabled Java project in Eclipse. Create a sample java file in the /src/main/java folder. Complete the POM structure in the following Maven Build Process: Copy the code into pom.xml file. Build the project and attach the screen shots of the output in PDF format.

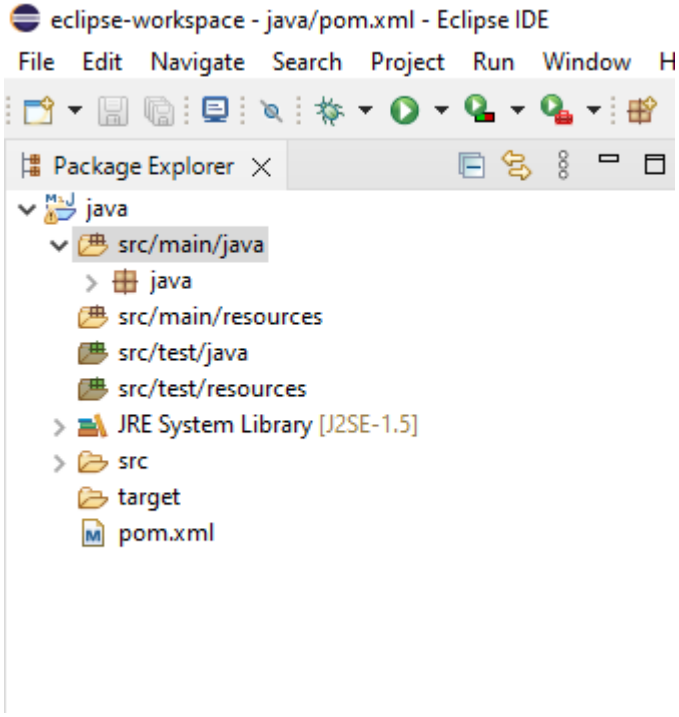
Step1:



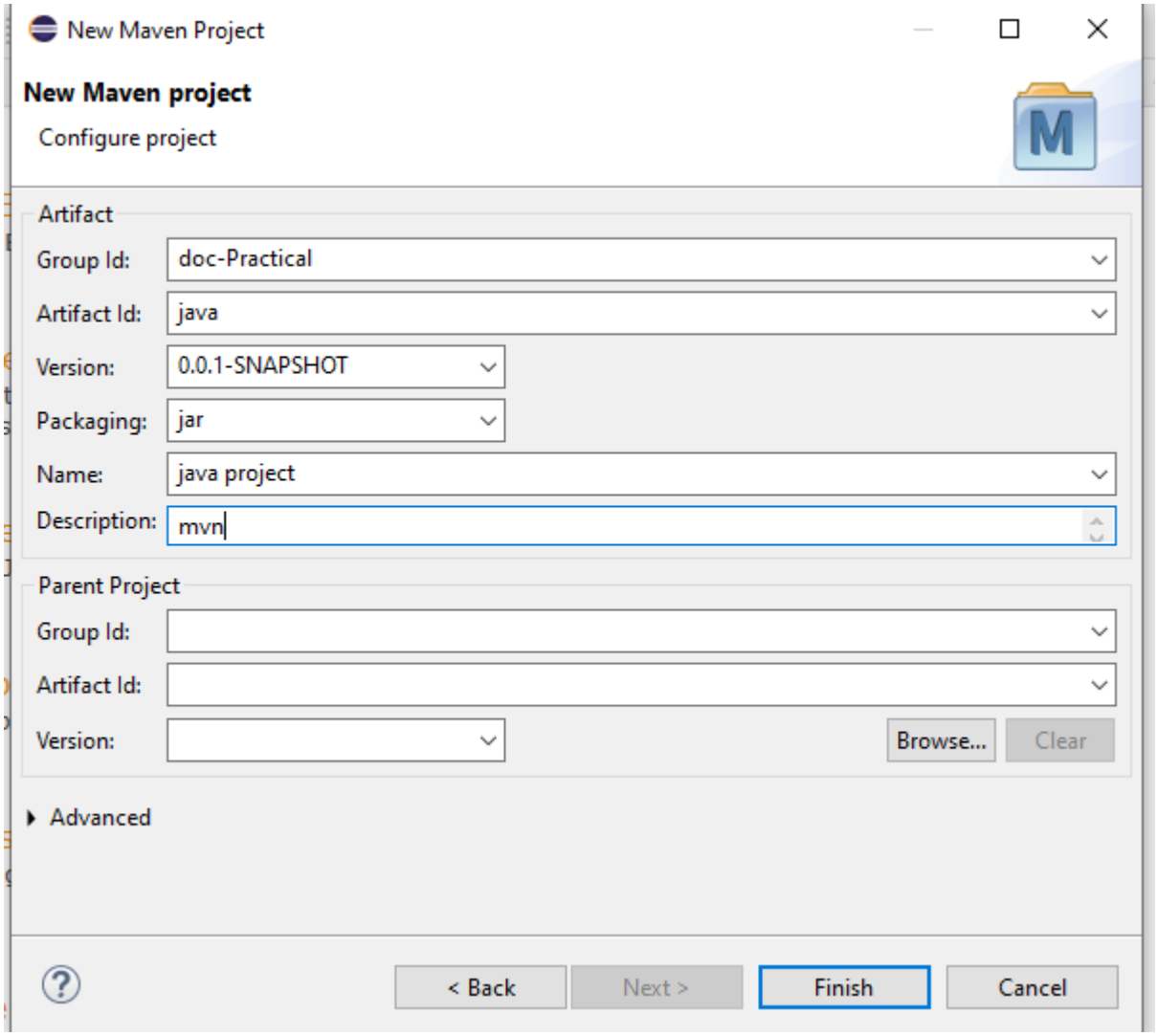
Step2:


eclipse-workspace - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Welcome
New Maven Project
New Maven project
Select project name and location
Create a simple project (skip archetype selection)
Use default Workspace location
Location:
Browse...
Add project(s) to working set
Working set:
More...
Advanced
< Back
Next >
Finish
Cancel

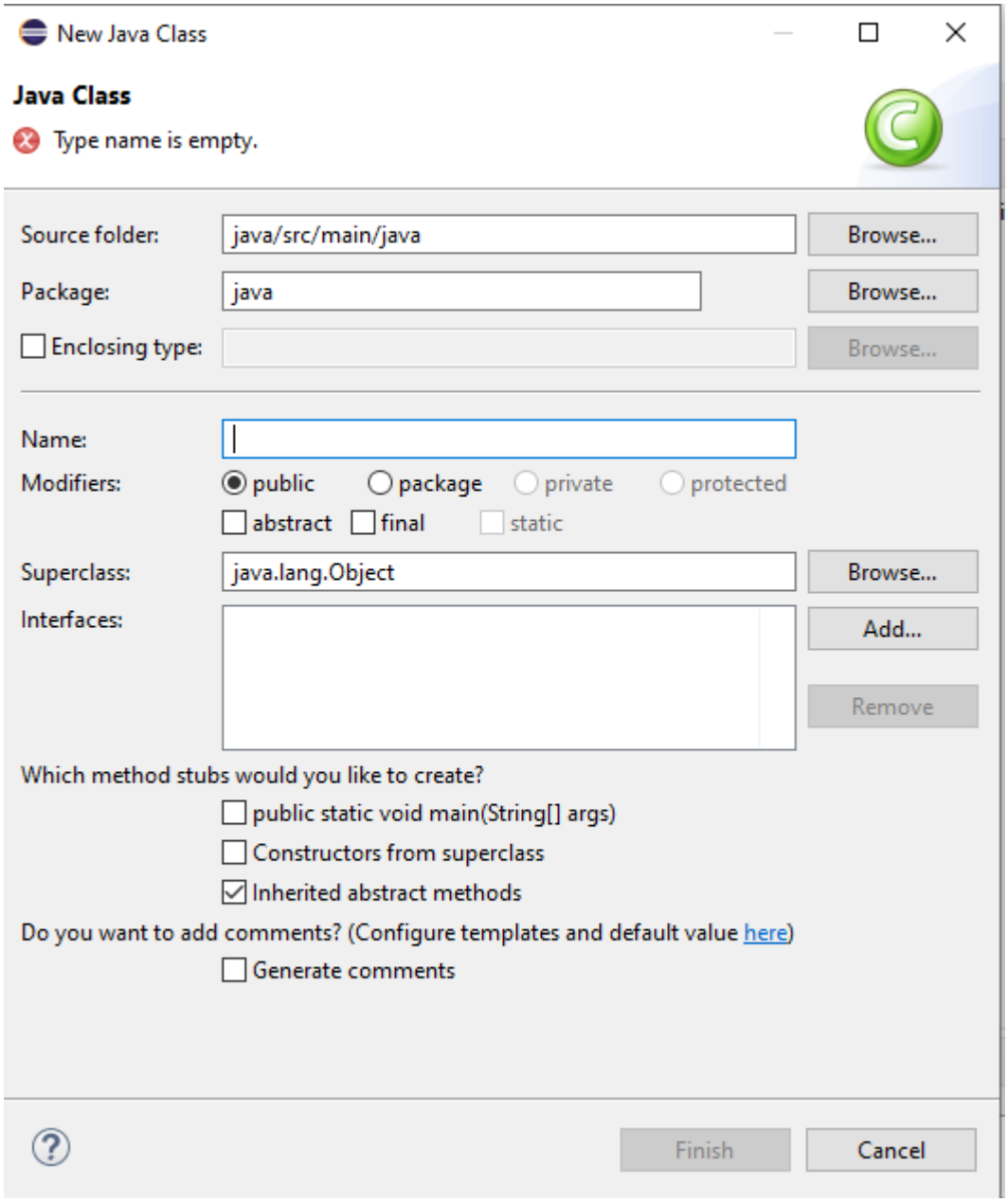
Step3:


eclipse-workspace - java/pom.xml - Eclipse IDE
File Edit Navigate Search Project Run Window H
Package Explorer
java
src/main/java
java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
src
target
pom.xml

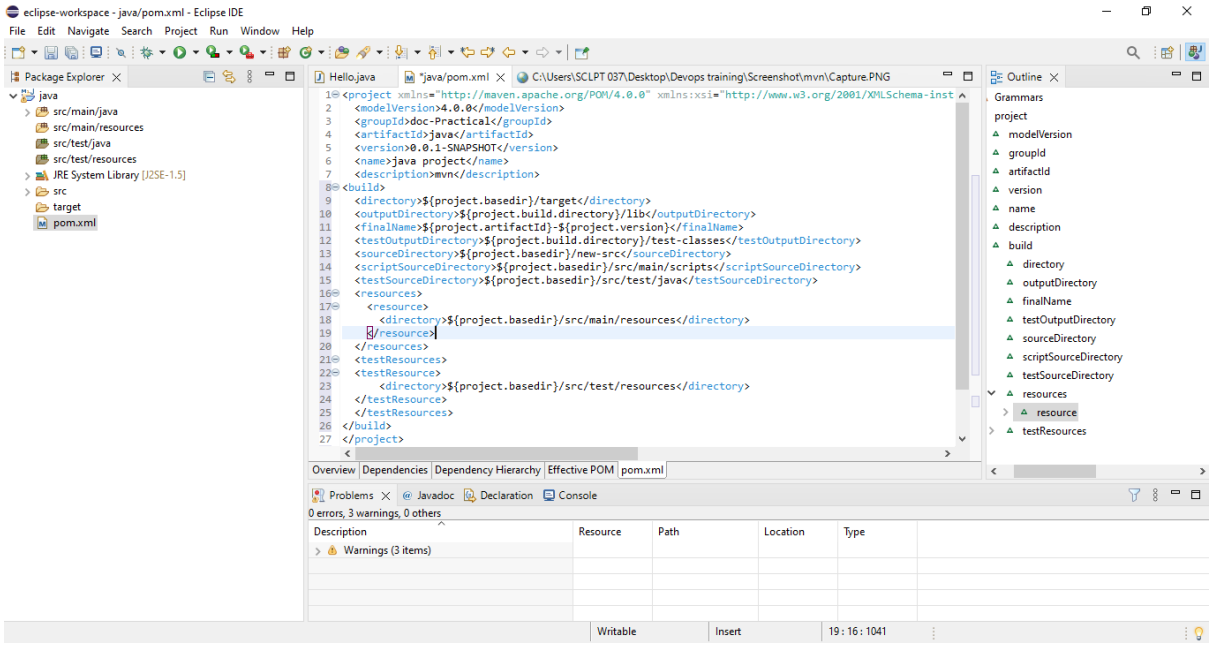
Step4:


New Maven Project
New Maven project
Configure project
Artifact
Group Id:
doc-Practical
Artifact Id:
java
Version:
0.0.1-SNAPSHOT
Packaging:
jar
Name:
java project
Description:
mvn
Parent Project
Group Id:
Artifact Id:
Version:
Browse...
Clear
Advanced
< Back
Next >
Finish
Cancel

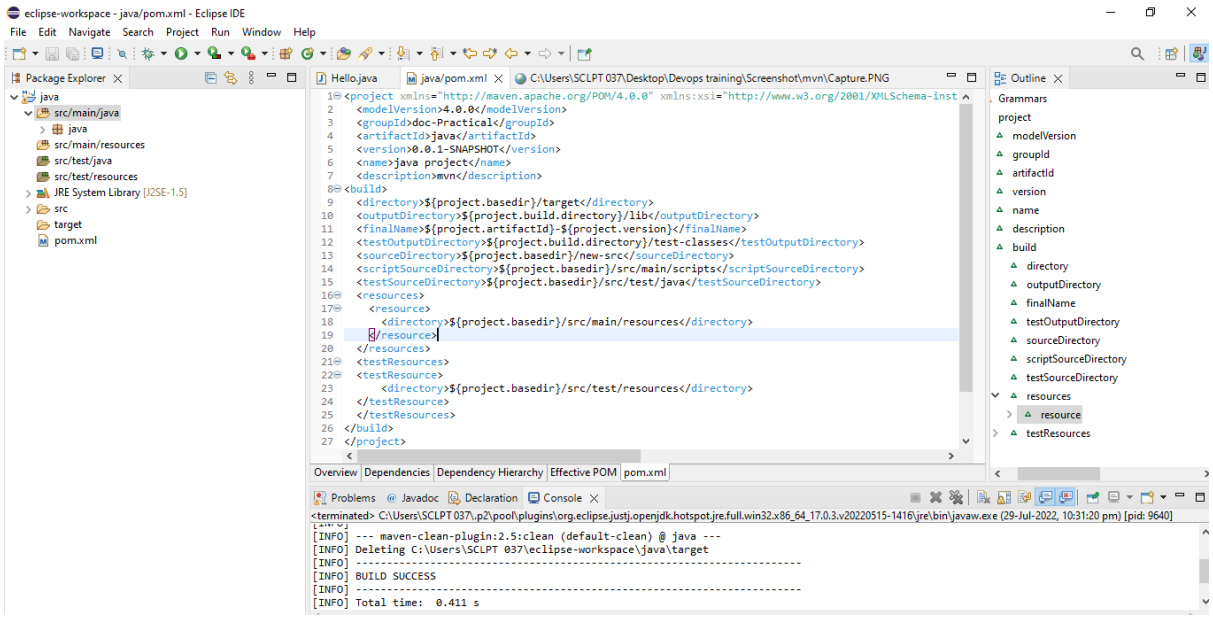
Step5:


New Java Class
Java Class
Type name is empty.
Source folder:
java/src/main/java
Browse...
Package:
java
Browse...
Enclosing type:
Browse...
Name:
Modifiers:
public
package
private
protected
abstract
final
static
Superclass:
java.lang.Object
Browse...
Interfaces:
Add...
Remove
Which method stubs would you like to create?
public static void main(String[] args)
Constructors from superclass
Inherited abstract methods
Do you want to add comments? (Configure templates and default value here)
Generate comments
Finish
Cancel

Step6:


eclipse-workspace - java/pom.xml - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Package Explorer
java
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
src
target
pom.xml
Hello.java
*java/pom.xml
C:\Users\SCLPT 037\Desktop\Devops training\Screenshot\mvn\Capture.PNG
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-inst
<modelVersion>4.0.0</modelVersion>
<groupId>doc-Practical</groupId>
<artifactId>java</artifactId>
<version>0.0.1-SNAPSHOT</version>
<name>java project</name>
<description>mvn</description>
<build>
<directory>${project.basedir}/target</directory>
<outputDirectory>${project.build.directory}/lib</outputDirectory>
<finalName>${project.artifactId}-${project.version}</finalName>
<testOutputDirectory>${project.build.directory}/test-classes</testOutputDirectory>
<sourceDirectory>${project.basedir}/new-src</sourceDirectory>
<scriptSourceDirectory>${project.basedir}/src/main/scripts</scriptSourceDirectory>
<testSourceDirectory>${project.basedir}/src/test/java</testSourceDirectory>
<resources>
<resource>
<directory>${project.basedir}/src/main/resources</directory>
</resource>
</resources>
<testResources>
<testResource>
<directory>${project.basedir}/src/test/resources</directory>
</testResource>
</testResources>
</build>
</project>
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
Outline
Grammars
project
modelVersion
groupId
artifactId
version
name
description
build
directory
outputDirectory
finalName
testOutputDirectory
sourceDirectory
scriptSourceDirectory
testSourceDirectory
resources
resource
testResources
Problems Javadoc Declaration Console
0 errors, 3 warnings, 0 others
Description Resource Path Location Type
Warnings (3 items)
Writable Insert 19 : 16 : 1041

Step7:


eclipse-workspace - java/pom.xml - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Package Explorer
java
src/main/java
java
src/main/resources
src/test/java
src/test/resources
JRE System Library [J2SE-1.5]
src
target
pom.xml
Hello.java
java/pom.xml
C:\Users\SCLPT 037\Desktop\Devops training\Screenshot\mvn\Capture.PNG
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-inst
<modelVersion>4.0.0</modelVersion>
<groupId>doc-Practical</groupId>
<artifactId>java</artifactId>
<version>0.0.1-SNAPSHOT</version>
<name>java project</name>
<description>mvn</description>
<build>
<directory>${project.basedir}/target</directory>
<outputDirectory>${project.build.directory}/lib</outputDirectory>
<finalName>${project.artifactId}-${project.version}</finalName>
<testOutputDirectory>${project.build.directory}/test-classes</testOutputDirectory>
<sourceDirectory>${project.basedir}/new-src</sourceDirectory>
<scriptSourceDirectory>${project.basedir}/src/main/scripts</scriptSourceDirectory>
<testSourceDirectory>${project.basedir}/src/test/java</testSourceDirectory>
<resources>
<resource>
<directory>${project.basedir}/src/main/resources</directory>
</resource>
</resources>
<testResources>
<testResource>
<directory>${project.basedir}/src/test/resources</directory>
</testResource>
</testResources>
</build>
</project>
Overview Dependencies Dependency Hierarchy Effective POM pom.xml
Outline
Grammars
project
modelVersion
groupId
artifactId
version
name
description
build
directory
outputDirectory
finalName
testOutputDirectory
sourceDirectory
scriptSourceDirectory
testSourceDirectory
resources
resource
testResources
Problems Javadoc Declaration Console
<terminated> C:\Users\SCLPT 037\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.3.v20220515-1416\jre\bin\javaw.exe (29-Jul-2022, 10:31:20 pm) [pid: 9640]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ java ---
[INFO] Deleting C:\Users\SCLPT 037\eclipse-workspace\java\target
[INFO] --
[INFO] BUILD SUCCESS
[INFO] --
[INFO] Total time: 0.411 s