

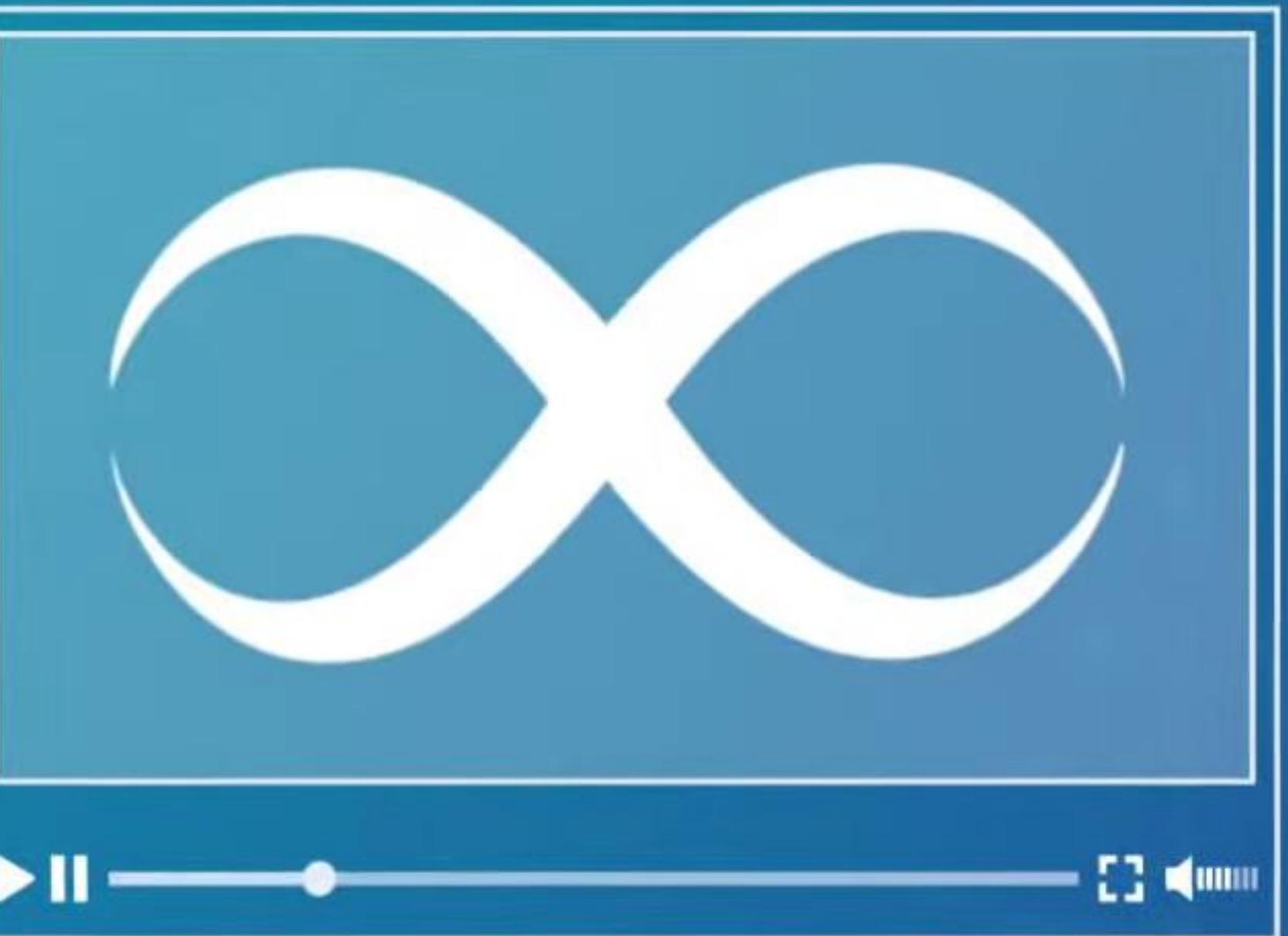
LIVE

# Maven Tutorial For Beginners

- Learn what is Maven and why do we need it
- Know about Maven architecture and its lifecycle

**edureka!**

For more information, please visit : [www.edureka.co](http://www.edureka.co)



# AGENDA

---

WHY DO WE NEED MAVEN?

WHAT IS MAVEN?

MAVEN ARCHITECTURE

MAVEN LIFECYCLE, PHASES AND GOALS

ADVANTAGES OF MAVEN

DEMO OF MAVEN

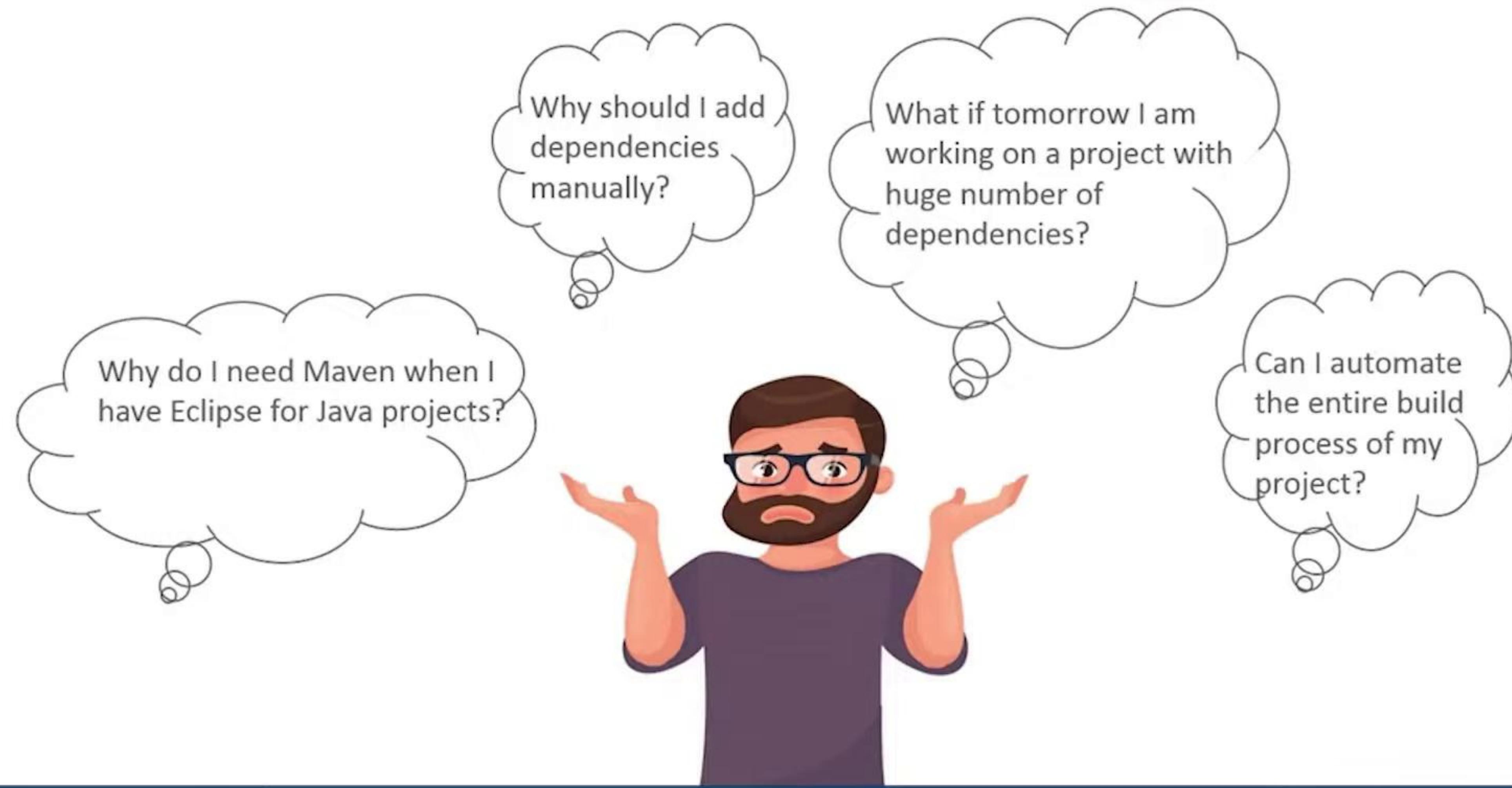
01

---

# WHY DO WE NEED MAVEN?

# WHY DO WE NEED MAVEN?

# WHY DO WE NEED MAVEN?



Why should I add dependencies manually?

What if tomorrow I am working on a project with huge number of dependencies?

Why do I need Maven when I have Eclipse for Java projects?

Can I automate the entire build process of my project?



# WHAT IS MAVEN?

Project of Apache Software Foundation

Build Automation tool

Project Management tool

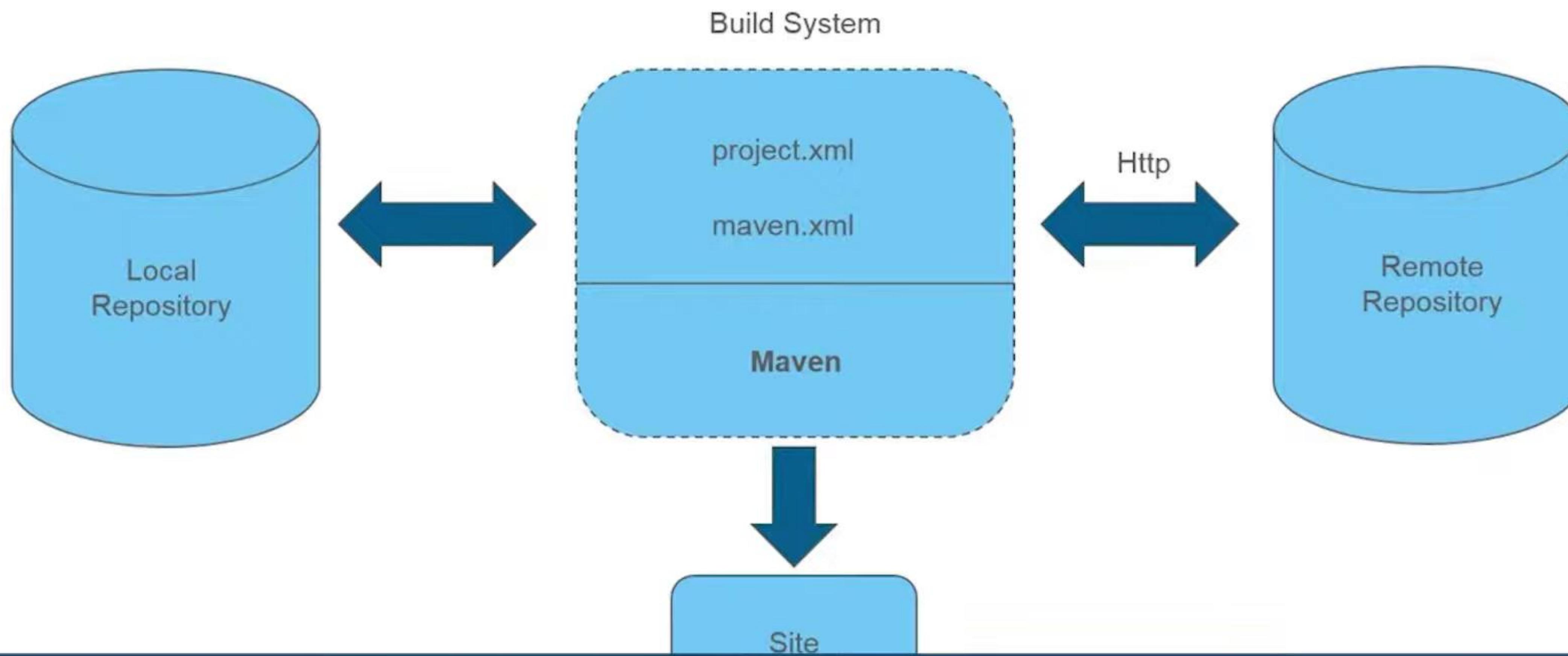
Handles complete build process

03

---

# MAVEN ARCHITECTURE

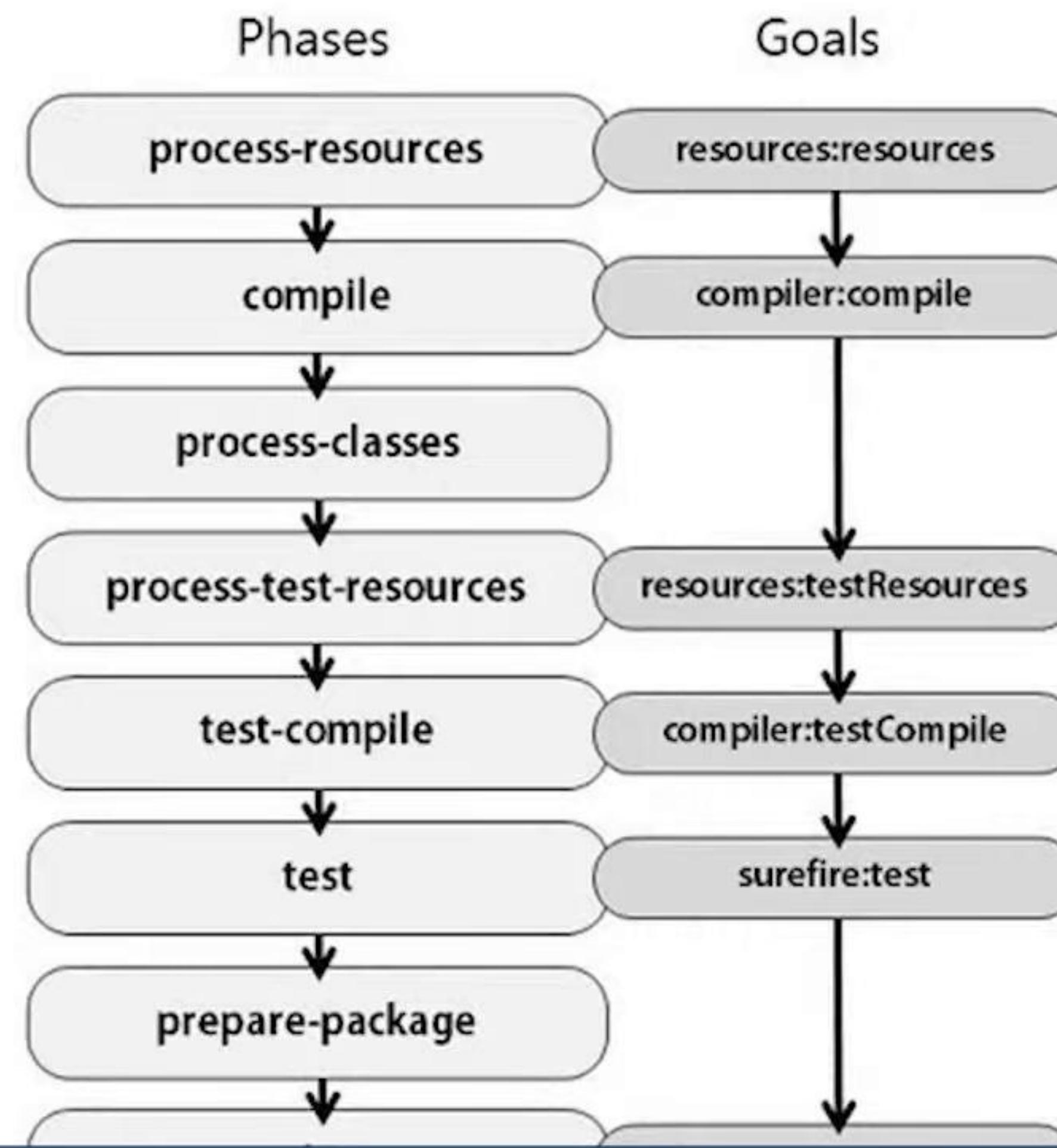
# MAVEN ARCHITECTURE



# MAVEN LIFECYCLE

Clean Lifecycle	Default Lifecycle		Site Lifecycle
pre-clean	validate	test-compile	pre-site
<b>clean</b>	initialize	process-test-classes	site
post-clean	generate-sources	test	post-site
	process-sources	prepare-package	site-deploy
	generate-resources	<b>package</b>	
	process-resources	pre-integration-test	
<b>compile</b>		integration-test	
	process-classes	post-integration-test	
	generate-test-sources	verify	
	process-test-sources	<b>install</b>	
	generate-test-resources	<b>deploy</b>	
	process-test-resources		

# MAVEN PHASES AND GOALS



04

---

# ADVANTAGES OF MAVEN

# ADVANTAGES OF MAVEN

01

Making the build process easy

02

Provides a uniform build system

03

Making the build process easy

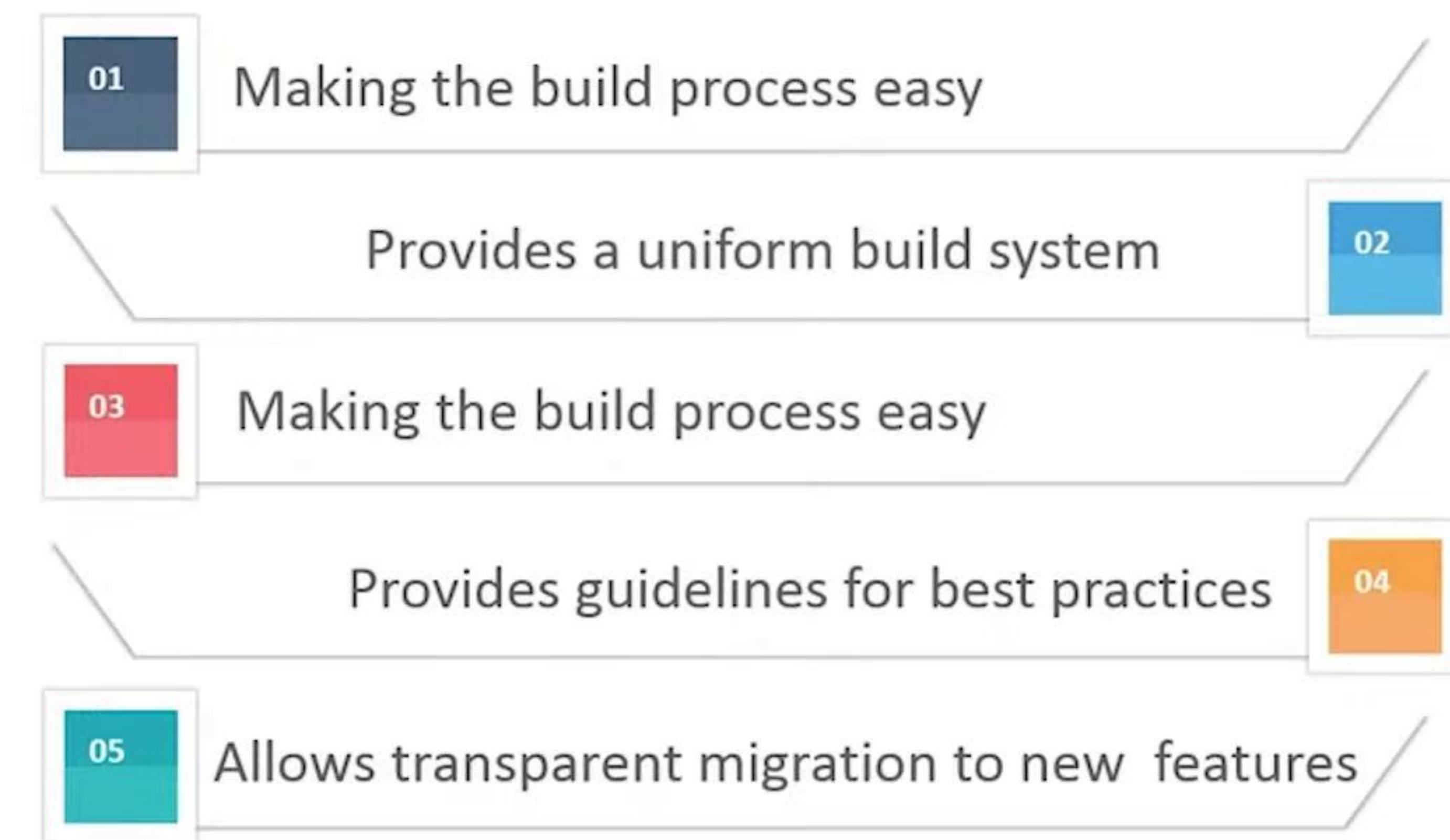
04

Provides guidelines for best practices

05

Allows transparent migration to new features

# ADVANTAGES OF MAVEN





# DEMO PROJECT



eclipse-workspace - maven.selenium.testng/src/test/java/maven/selenium/testng/DemoClass.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

New Alt+Shift+N > Maven Project

- Enterprise Application Project
- Dynamic Web Project
- EJB Project
- Connector Project
- Application Client Project
- Static Web Project
- JPA Project
- Project...
- Servlet
- Session Bean (EJB 3.x)
- Message-Driven Bean (EJB 3.x)
- Web Service
- Folder
- File
- Example...
- Other... Ctrl+N

Task List Find All Activate... ?

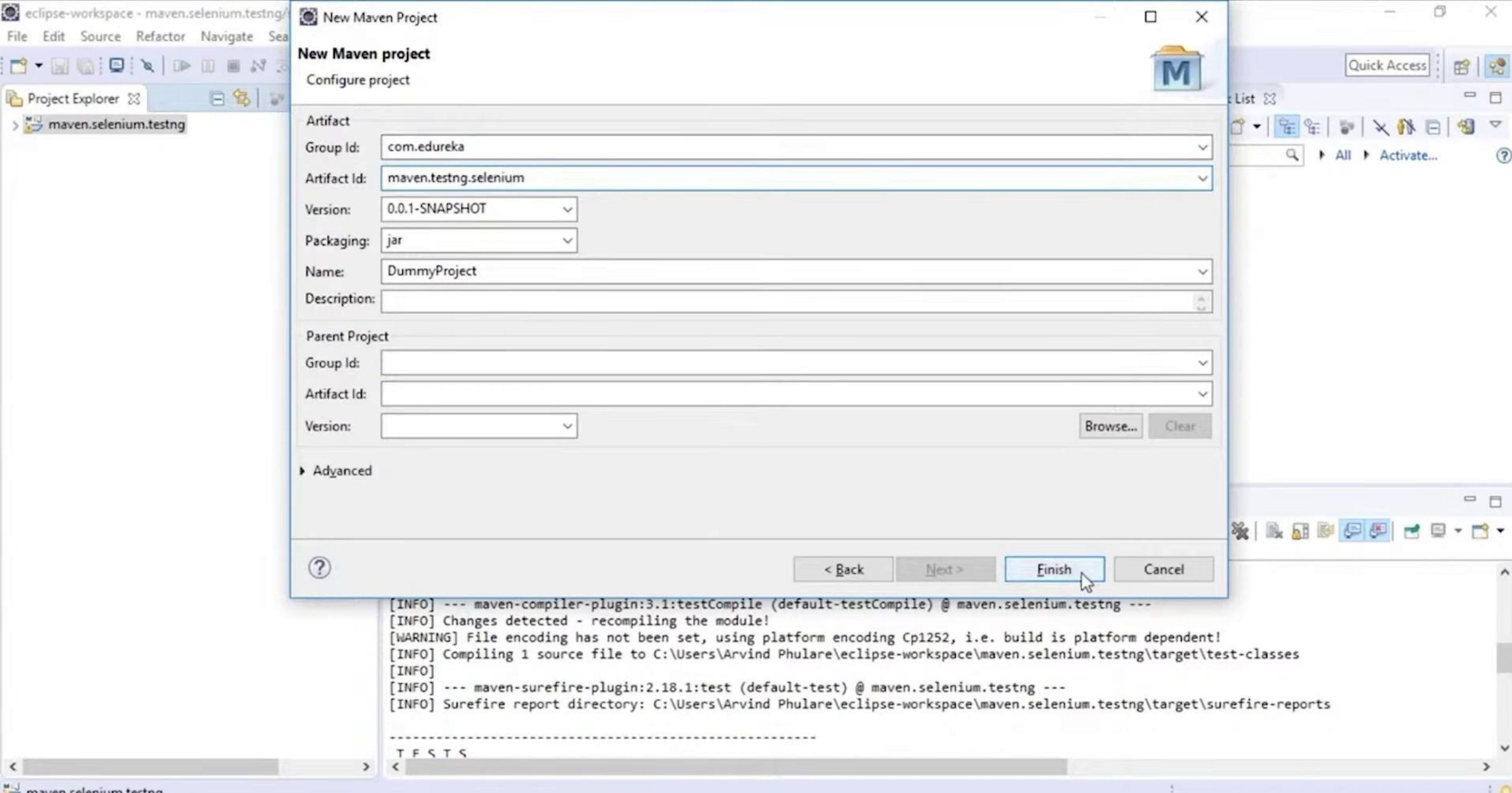
```
    public void launchBrowser() throws InterruptedException {
        instantiation of objects/variables
        ty("webdriver.gecko.driver","/home/edureka/Downloads/geckodriver");
        = new FirefoxDriver();
        2 lines and uncomment below 2 lines to use Chrome
        "webdriver.chrome.driver","C:\\\\Users\\\\Arvind Phulare\\\\Desktop\\\\chromedriver.exe";
        new ChromeDriver();

        http://newtours.demoaut.com/";
        le = "Welcome: Mercury Tours";
        =
    }

    <terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 1:38:44 pm)
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

maven.selenium.testng



eclipse-workspace - maven.selenium.testng/src/test/java/maven/selenium/testng/DemoClass.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer   DemoClass.java   maven.selenium.testng/pom.xml

Quick Access

1 package maven.selenium.testng;  
2  
3+ import org.openqa.selenium.WebDriver;□  
4  
5 public class DemoClass {  
6  
7  
8  
9  
10+ @Test  
11 public void test() throws InterruptedException {  
12 // declaration and instantiation of objects/variables  
13 //System.setProperty("webdriver.gecko.driver","/home/edureka/Downloads/geckodriver");  
14 //WebDriver driver = new FirefoxDriver();  
15 //comment the above 2 lines and uncomment below 2 lines to use Chrome  
16 System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\Arvind Phulare\\\\Desktop\\\\chromedriver.exe");  
17 WebDriver driver = new ChromeDriver();  
18  
19 String baseUrl = "http://newtours.demoaut.com/";  
20 String expectedTitle = "Welcome: Mercury Tours";  
21  
22 String actualTitle = "";  
23

Task List

Find All Activate... ?

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 1:38:44 pm)  
[INFO] Copying 0 resource  
[INFO]  
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---  
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[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!  
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes  
[INFO]  
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---  
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports

TFS TS

eclipse-workspace - maven.selenium.testng/src/test/java/maven/selenium/testng/DemoClass.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

DemoClass.java

maven.selenium.testng/pom.xml

```
1 package maven.selenium.testng;
2
3 import org.openqa.selenium.WebDriver;
4
5 public class DemoClass {
6
7     @Test
8     public void test() throws InterruptedException {
9         // declaration and instantiation of objects/variables
10        WebDriver driver = new FirefoxDriver();
11        //comment the above 2 lines and uncomment below 2 lines to use Chrome
12        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\Arvind Phulare\\\\Desktop\\\\chromedriver.exe");
13        WebDriver driver = new ChromeDriver();
14
15        String baseUrl = "http://newtours.demoaut.com/";
16        String expectedTitle = "Welcome: Mercury Tours";
17
18        String actualTitle = "";
19    }
20
21
22
23 }
```

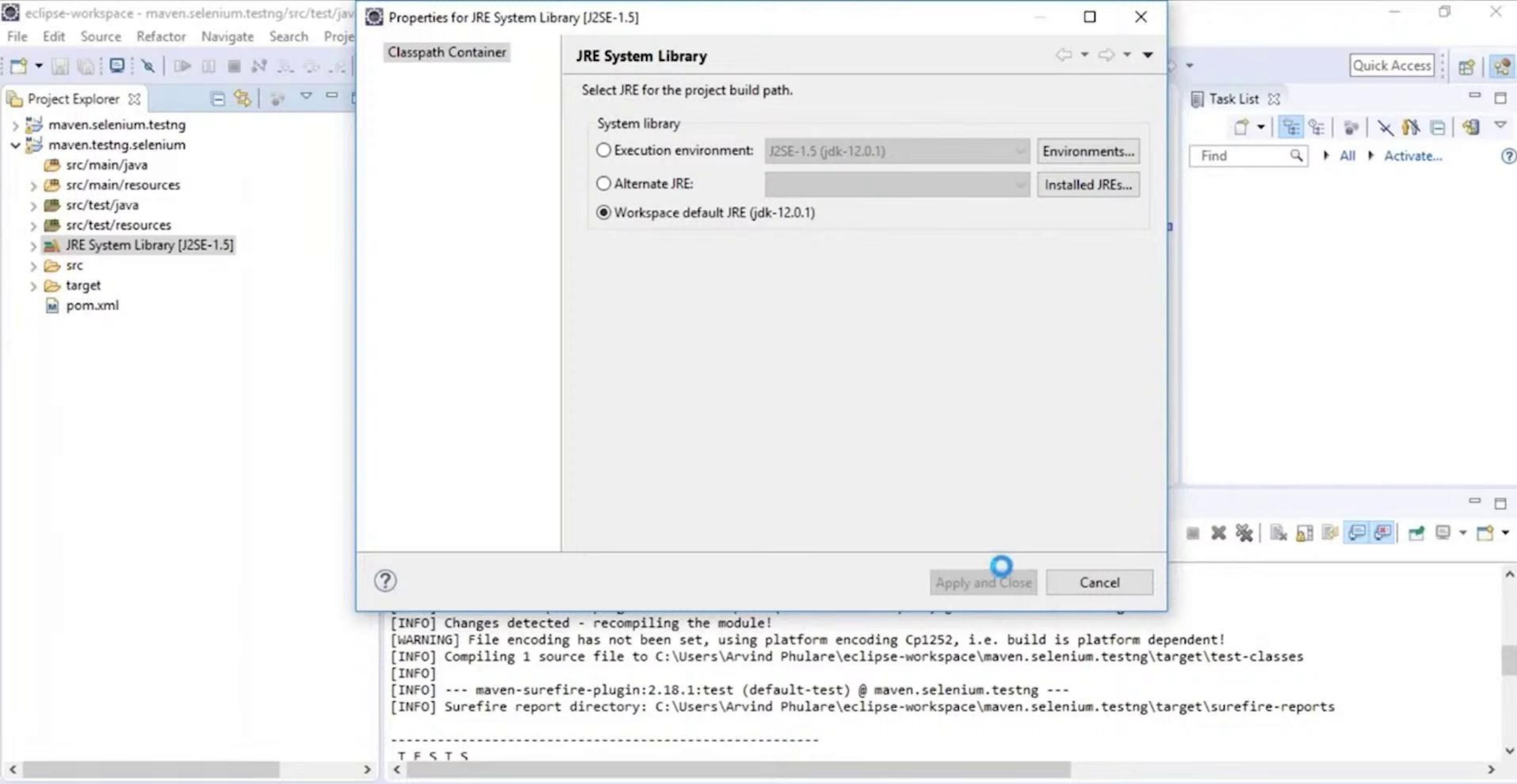
Task List

Find All Activate...

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 1:38:44 pm)

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[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```



eclipse-workspace - m

New

Open Type Hierarchy F4

Show In Alt+Shift+W

Open F3

Open With >

Copy Ctrl+C

Copy Qualified Name

Paste Ctrl+V

Delete Delete

Remove from Context Ctrl+Alt+Shift+Down

Build Path >

Source Alt+Shift+S

Refactor Alt+Shift+T

Import...

Export...

Refresh F5

References

Declarations

Coverage As

Run As

Debug As

Profile As

Restore from Local History...

Web Services

Team

Compare With

Replace With

Validate

TestNG > Create TestNG class

Properties Alt+Enter Convert to TestNG

maven.selenium.testing/pom.xml

```
    maven.selenium.testing;
```

```
        .selenium.WebDriver;
```

```
    Class {
```

```
        id test() throws InterruptedException {
```

```
            declaration and instantiation of objects/variables
```

```
            System.setProperty("webdriver.gecko.driver","/home/edureka/Downloads/geckodriver");
```

```
            Driver driver = new FirefoxDriver();
```

```
            // comment the above 2 lines and uncomment below 2 lines to use Chrome
```

```
            System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\Arvind Phulare\\\\Desktop\\\\chromedriver.exe");
```

```
            driver = new ChromeDriver();
```

```
            String baseUrl = "http://newtours.demoaut.com/";
```

```
            String expectedTitle = "Welcome: Mercury Tours";
```

```
            String actualTitle = "";
```

```
        }
```

```
> Servers Data Source Explorer Snippets Console Error Log TestNG
```

```
> C:\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 1:38:44 pm)
```

```
> maven-selenium-testing
```

```
> maven-selenium-testing:3.1:testCompile (default-testCompile) @ maven.selenium.testing ---
```

```
> :recompiling the module!
```

```
> encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
```

```
> :rce file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testing\target\test-classes
```

```
> maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testing ---
```

```
> surefire-report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testing\target\surefire-reports
```

eclipse-workspace - maven.selenium.testng/src/test/java/maven/selenium/testng/DemoClass.java - Eclipse IDE

File Edit Source Refactor Source Navigate Search Project Run Window Help

Project Explorer Task List Quick Access

DemoClass.java pom.xml

```
1 package maven.selenium.testng;
2
3 import org.openqa.selenium.WebDriver;
4
5 public class DemoClass {
6
7     @Test
8     public void test() throws InterruptedException {
9         // declaration and instantiation of objects/variables
10        //System.setProperty("webdriver.gecko.driver","/home/edureka/Downloads/geckodriver");
11        //WebDriver driver = new FirefoxDriver();
12        //comment the above 2 lines and uncomment below 2 lines to use Chrome
13        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\Arvind Phulare\\\\Desktop\\\\chromedriver.exe");
14        WebDriver driver = new ChromeDriver();
15
16        String baseUrl = "http://newtours.demoaut.com/";
17        String expectedTitle = "Welcome: Mercury Tours";
18
19        String actualTitle = "";
20    }
21}
```

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

```
<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 1:38:44 pm)
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[INFO]
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[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```

TESTS

Writable Smart Insert 1:1

eclipse-workspace - maven.selenium.testng/pom.xml - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Project Explorer Task List

DemoClass.java maven.selenium.testng/pom.xml

```
31      </plugin>
32  </plugins>
33 </build>
34
35<dependencies>
36<dependency>
37  <groupId>org.seleniumhq.selenium</groupId>
38  <artifactId>selenium-java</artifactId>
39  <version>${selenium.version}</version>
40 </dependency>
41<dependency>
42  <groupId>org.testng</groupId>
43  <artifactId>testng</artifactId>
44  <version>6.8.8</version>
45  <scope>test</scope>
46 </dependency>
47</dependencies>
48</project>
<
```

Overview Dependencies Dependency Hierarchy Effective POM pom.xml

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

```
<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:56:52 pm)
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```

Ma Dev Ma Ma Ma Ma Ma My Ma Ma Java Ma Ma J Ma J Do

← → X https://www.google.com/search?q=mvn+repository&rlz=1C1CHZL\_enIN844IN844&oq=mvn&aqs=chrome.0.69i59l2j69i57j0l3.2650j0j7&sourceid=chrome&ie=UTF-8

Google mvn repository

All News Maps Shopping Images More Settings Tools

About 29,00,000 results (0.42 seconds)

[Maven Repository: Search/Browse/Explore](https://mvnrepository.com/)  
https://mvnrepository.com/

Popular Categories · Aspect Oriented · Actor Frameworks · Application Metrics · Build Tools · Bytecode · Libraries · Command Line Parsers · Cache ...

Results from mvnrepository.com

<b>Central</b> Central. Central Repository. <a href="https://repo1.maven.org/maven2/">https://repo1.maven.org/maven2/</a> ...	<b>TestNG</b> 6.14.3 - 6.11 - 6.9.10 - 6.14.2 - 6.10 - 6.13.1 - ...
<b>Maven</b> This library is used to not only read Maven project object model files ...	<b>Indexed Artifacts (14.7M)</b> Central - Spring Plugins - Sonatype - JCenter - Atlassian
<b>Jackson</b> General data-binding functionality for Jackson: works on core ...	<b>MySQL Connector/J</b> 8.0.15 - 5.1.47 - 8.0.13 - 8.0.11 - 6.0.6 - 5.1.6 - 5.1.38 - 5.1.46 - ...

**Maven – Introduction to Repositories**  
<https://maven.apache.org/guides/introduction/introduction-to-repositories.html> ▾  
A repository in Maven holds build artifacts and dependencies of varying types. There are exactly two repository.

Maven Dev Maven Maven Maven / Ma Q (1) Dev My Maven Maven Java Ma Ma J Ma J Do HN X + - O X

https://mvnrepository.com

G 11.02M L 9.7K LD 307K 1244K Rank 3.93K Age 2006/05/01 1146 whois source More data 1 298 n/a

# MVNREPOSITORY

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Indexed Artifacts (14.7M)

What's New

can i run two tomcat instances on the same machine?

selenium

Boosted com.digicat booster jenkins

Last Release on Jul 15, 2019

How to choose between Hudson and Jenkins?

preparedStatement in java

Ledge de.adorsys.ledgers > ledgers-utils > 0.6

Ledgers Utilities

Last Release on Jul 15, 2019

Beetl Framework Starter

com.ibeetl > beetl-framework-starter > 1.2.10.RELEASE

Beetl Framework Starter

Last Release on Jul 15, 2019

Booster Android Instrument

com.didiglobal.booster > booster-android-instrument > 0.22.0

booster-android-instrument

Last Release on Jul 15, 2019

15 usages Apache

13 usages Apache

8 usages Apache

7 usages Apache

Indexed Repositories (1187)

Central Sonatype Spring Plugins Spring Lib M Hortonworks Atlassian JCenter JBoss Releases JBossEA Spring Lib Release

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## Repository

- Central 542
- \* Sonatype 263
- Spring Lib M 166
- Spring Plugins 165
- JCenter 39
- Spring Lib Release 30
- Atlassian 26
- IBiblio 24

## Group

- com.github 84
- org.seleniumhq 62
- com.atlassian 35
- org.jboss 27
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- ru.stqa 15
- io.aubay 9

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- Maven Plugins 11

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### 1. Selenium Java

org.seleniumhq.selenium > selenium-java

1,066 usages

Apache

Selenium automates browsers. That's it! What you do with that power is entirely up to you.

Last Release on Jul 2, 2019



### 2. Selenium API

org.seleniumhq.selenium > selenium-api

263 usages

Apache

Selenium automates browsers. That's it! What you do with that power is entirely up to you.

Last Release on Jul 2, 2019



### 3. Selenium Server

org.seleniumhq.selenium > selenium-server

274 usages

Apache

Selenium automates browsers. That's it! What you do with that power is entirely up to you.

Last Release on Jul 2, 2019



### 4. Selenium Support

org.seleniumhq.selenium > selenium-support

220 usages

Apache

Selenium automates browsers. That's it! What you do with that power is entirely up to you.

Top Categories		Downloads	Rank	Age	Scans	Whois	Source	More data
JVM Languages	3.7.1	Central	32	Nov, 2017				
Logging Frameworks	3.7.0	Central	9	Nov, 2017				
Logging Bridges	3.6.0	Central	30	Sep, 2017				
Mail Clients	3.5.3	Central	37	Aug, 2017				
Maven Plugins	3.5.2	Central	9	Aug, 2017				
Mocking	3.5.1	Central	13	Aug, 2017				
Object/Relational Mapping	3.4.0	Central	107	Apr, 2017				
PDF Libraries	3.3.1	Central	31	Mar, 2017				
<b>Top Categories</b>		3.3.0	Central	8	Mar, 2017			
	3.2.0	Central	17	Feb, 2017				
	3.1.0	Central	8	Feb, 2017				
	3.0.1	Central	80	Oct, 2016				
	3.0.0	Central	11	Oct, 2016				
	3.0.0-beta4	Central	10	Sep, 2016				
	3.0.0-beta3	Central	6	Sep, 2016				
	3.0.0-beta2	Central	12	Aug, 2016				
	3.0.0-beta1	Central	0	Jul, 2016				
	2.53.1	Central	137	Jun, 2016				
	2.53.0	Central	108	Mar, 2016				

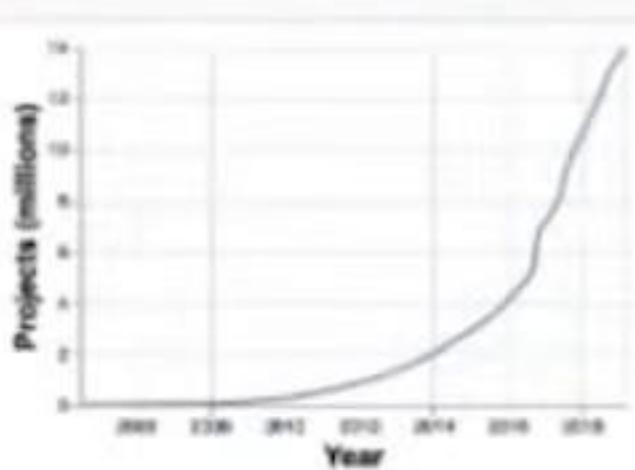


## Popular Tags

android apache api application  
assets build build-system client  
**clojure** cloud config data database  
eclipse example extension framework  
**github** gradle groovy gwt http ide io  
jboss library logging maven model  
module osgi persistence platform **plugin**  
repository rest rlang scala sdk security  
server service **spring** starter streaming  
testing tools ui **web** webapp

Web site developed by @frodriguez

Powered by: Scala, Play, Spark, Akka and Cassandra



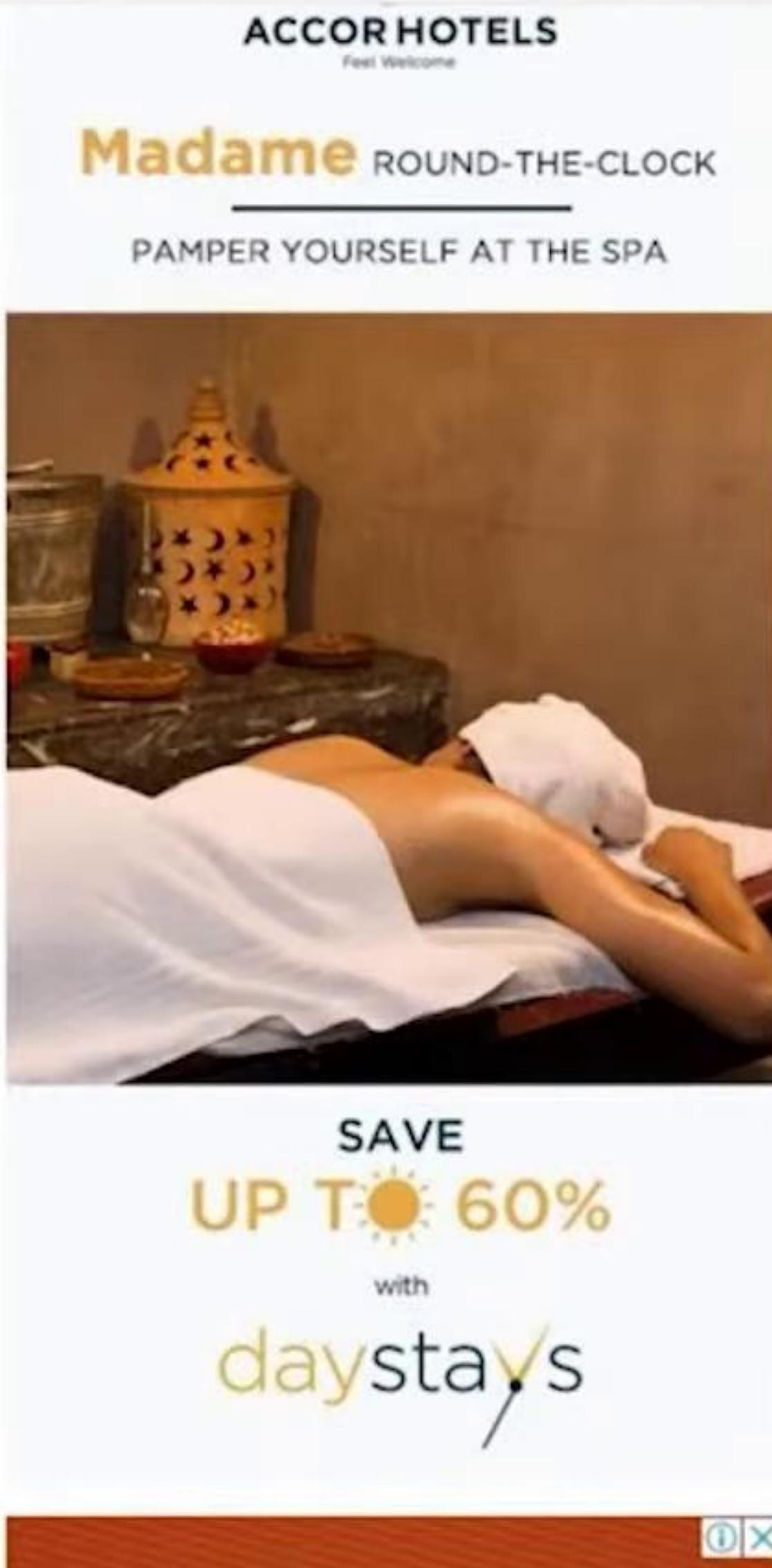
Se

Selenium Java

Selenium automates browsers. That's it! What you do with that power is entirely up to you.

License	Apache 2.0
Categories	Web Testing
Tags	testing   selenium   web
Used By	1,066 artifacts

	Central (101)	Atlassian 3rdParty (1)	Alfresco (1)	
	Version	Repository	Usages	Date
4.0.x	4.0.0-alpha-2	Central	2	Jul, 2019
	4.0.0-alpha-1	Central	6	Apr, 2019
3.141.x	<a href="#">3.141.59</a>	Central	110	Nov, 2018
	3.141.5	Central	10	Nov, 2018
	3.141.0	Central	6	Oct, 2018
3.14.x	3.14.0	Central	77	Aug, 2018
3.13.x	3.13.0	Central	36	Jun, 2018
3.12.x	3.12.0	Central	43	May, 2018
3.11.x	3.11.0	Central	59	Mar, 2018
3.10.x	3.10.0	Central	10	Mar, 2018
		Central	32	Feb, 2018

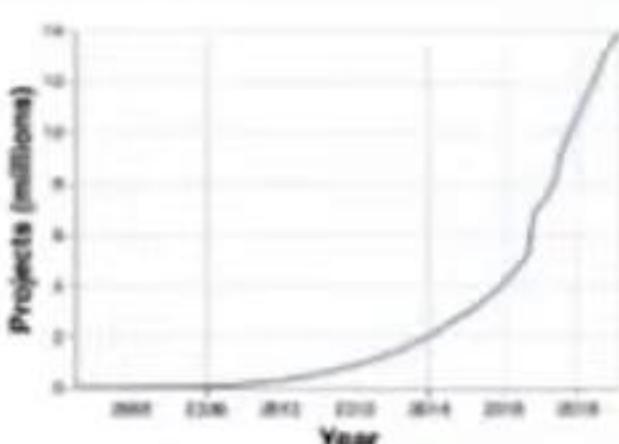


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- Actor Frameworks
- Application Metrics
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- Bytecode Libraries
- Command Line Parsers
- Cache Implementations
- Cloud Computing
- Code Analyzers
- Collections
- Configuration Libraries
- Core Utilities
- Date and Time Utilities
- Dependency Injection
- Embedded SQL Databases

Home » org.seleniumhq.selenium » selenium-java » 3.141.59



## Selenium Java » 3.141.59

Selenium automates browsers. That's it! What you do with that power is entirely up to you.

License	Apache 2.0
Categories	Web Testing
HomePage	<a href="http://www.seleniumhq.org/">http://www.seleniumhq.org/</a>
Date	(Nov 14, 2018)
Files	<a href="#">pom (3 KB)</a> <a href="#">jar (355 bytes)</a> <a href="#">View All</a>
Repositories	Central
Used By	<a href="#">1,066 artifacts</a>

Note: There is a new version for this artifact

New Version

4.0.0-alpha-2

Maven Gradle SBT Ivy Grape Leiningen Buildr

```
<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
<dependency>
    <groupId>org.seleniumhq.selenium</groupId>
    <artifactId>selenium-java</artifactId>
    <version>3.141.59</version>
</dependency>
```

SO G 1.02M L 5 LD 307K 1244K Rank 3.93K Age 2006|05|01 1 4 whois source More data

Application Metrics Build Tools Bytecode Libraries Command Line Parsers Cache Implementations Cloud Computing Code Analyzers Collections Configuration Libraries Core Utilities Date and Time Utilities Dependency Injection Embedded SQL Databases HTML Parsers HTTP Clients I/O Utilities JDBC Extensions JDBC Pools JPA Implementations JSON Libraries JVM Languages Logging Frameworks Logging Bridges Mail Clients

Repositories Central Used By 1,066 artifacts

Note: There is a new version for this artifact

New Version 4.0.0-alpha-2

Maven Gradle SBT Ivy Grape Leiningen Buildr

```
<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
<dependency>
    <groupId>org.seleniumhq.selenium</groupId>
    <artifactId>selenium-java</artifactId>
    <version>3.141.59</version>
</dependency>
```

Include comment with link to declaration

New Traffic Analytics - Your Rivals' Traffic In Your Sights

SEMRUSH COMPETITIVE INTELLIGENCE



Compile Dependencies (14)

Category/License	Group / Artifact	Version	Updates
Core Utils Apache 2.0	G com.google.guava » guava	25.0-jre	28.0-jre



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https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java/3.141.59

G 11.02M L 5 LD 307K I 1244K Rank 3.93K Age 2006/05/01 1 4 whois source More data

Repositories Central

Used By 1,066 artifacts

Note: There is a new version for this artifact

New Version 4.0.0-alpha-2

Maven Gradle SBT Ivy Grape Leiningen Buildr

```
<dependency>
<groupId>org.seleniumhq.selenium</groupId>
<artifactId>selenium-java</artifactId>
<version>3.141.59</version>
</dependency>
```

Include comment with link to declaration

Copied to clipboard!

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Compile Dependencies (14)

Category/License	Group / Artifact	Version	Updates
------------------	------------------	---------	---------

Application Metrics  
Build Tools  
Bytecode Libraries  
Command Line Parsers  
Cache Implementations  
Cloud Computing  
Code Analyzers  
Collections  
Configuration Libraries  
Core Utilities  
Date and Time Utilities  
Dependency Injection  
Embedded SQL Databases  
HTML Parsers  
HTTP Clients  
I/O Utilities  
JDBC Extensions  
JDBC Pools  
JPA Implementations  
JSON Libraries  
JVM Languages  
Logging Frameworks  
Logging Bridges  
Mail Clients

34 152 n/a



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eclipse-workspace - maven.selenium.testng/pom.xml - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Project Explorer Task List

DemoClass.java pom.xml

```
31      </plugin>
32  </plugins>
33 </build>
34
35<dependencies>
36<dependency>
37   <groupId>org.seleniumhq.selenium</groupId>
38   <artifactId>selenium-java</artifactId>
39   <version>3.141.59</version>
40 </dependency>
41<dependency>
42   <groupId>org.testng</groupId>
43   <artifactId>testng</artifactId>
44   <version>6.8.8</version>
45   <scope>test</scope>
46 </dependency>
47 </dependencies>
48
49 </project>
```

Find All Activate...

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

```
<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:56:52 pm)
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```

project/dependencies/dependency/version Writable Smart Insert 39:21

https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java/3.141.59

1.02M L 5 LD 307K 1244K Rank 3.93K Age 2006/05/01 14 whois source More data

Repositories Central

Used By 1,066 artifacts

Note: There is a new version for this artifact

New Version 4.0.0-alpha-2

Maven Gradle SBT Ivy Grape Leiningen Buildr

```
<dependency>
<groupId>org.seleniumhq.selenium</groupId>
<artifactId>selenium-java</artifactId>
<version>3.141.59</version>
</dependency>
```

Include comment with link to declaration

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Compile Dependencies (14)

Category/License	Group / Artifact	Version	Updates
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eclipse-workspace - maven.selenium.testng/pom.xml - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Project Explorer Task List

DemoClass.java pom.xml

```
31      </plugin>
32  </plugins>
33 </build>
34
35<dependencies>
36<dependency>
37   <groupId>org.seleniumhq.selenium</groupId>
38   <artifactId>selenium-java</artifactId>
39   <version>3.141.59</version>
40 </dependency>
41<dependency>
42   <groupId>org.testng</groupId>
43   <artifactId>testng</artifactId>
44   <version>6.8.8</version>
45   <scope>test</scope>
46 </dependency>
47 </dependencies>
48
49 </project>
```

Find All Activate...

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

```
<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:56:52 pm)
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[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```

project/dependencies/dependency/version Writable Smart Insert 39:21

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https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java/3.141.59

G 11.02M L 5 LD 307K I 1244K Rank 3.93K Age 2006/05/01 1 4 whois source More data 34 152 n/a

Application Metrics Build Tools Bytecode Libraries Command Line Parsers Cache Implementations Cloud Computing Code Analyzers Collections Configuration Libraries Core Utilities Date and Time Utilities Dependency Injection Embedded SQL Databases HTML Parsers HTTP Clients I/O Utilities JDBC Extensions JDBC Pools JPA Implementations JSON Libraries JVM Languages Logging Frameworks Logging Bridges Mail Clients

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Repositories Central

Used By 1,066 artifacts

Note: There is a new version for this artifact

New Version 4.0.0-alpha-2

Maven Gradle SBT Ivy Grape Leiningen Buildr

```
<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
<dependency>
    <groupId>org.seleniumhq.selenium</groupId>
    <artifactId>selenium-java</artifactId>
    <version>3.141.59</version>
</dependency>
```

Include comment with link to declaration

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Compile Dependencies (14)

Category/License	Group / Artifact	Version	Updates
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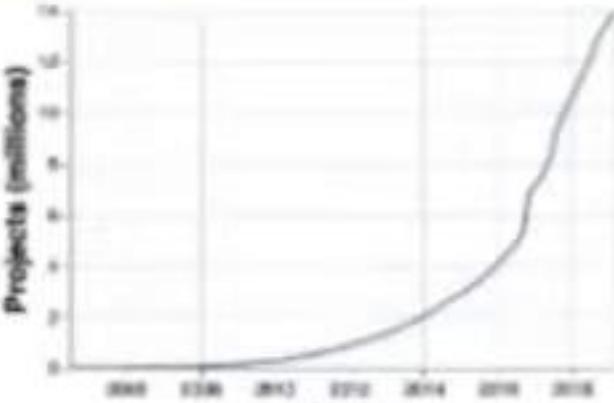
Ma Dev Ma Ma Ma Ma Ma My Ma Ma Java Ma Ma J Ma J Do

https://mvnrepository.com/search?q=testing

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testng

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Home » org.seleniumhq.selenium » selenium-java » 3.141.59

## Selenium Java » 3.141.59

Selenium automates browsers. That's it! What you do with that power is entirely up to you.

License	Apache 2.0
Categories	Web Testing
HomePage	<a href="http://www.seleniumhq.org/">http://www.seleniumhq.org/</a>
Date	(Nov 14, 2018)
Files	<a href="#">pom (3 KB)</a> <a href="#">jar (355 bytes)</a> <a href="#">View All</a>
Repositories	Central
Used By	1,066 artifacts

Note: There is a new version for this artifact

New Version	4.0.0-alpha-2
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Maven Gradle SBT Ivy Gape Leiningen Buildr

```
<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->
<dependency>
    <groupId>org.seleniumhq.selenium</groupId>
    <artifactId>selenium-java</artifactId>
    <version>3.141.59</version>
```

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https://mvnrepository.com/search?q=testng

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- org.powermock 13
- org.wso2 12
- io.github 9
- net.sf 9
- com.tngtech 6

Category

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TestNG 1. TestNG org.testng > testng 7,853 usages Apache Testing framework for Java Last Release on Jun 30, 2019

PowerMock 2. PowerMock org.powermock > powermock-module-testing 282 usages Apache PowerMock module for TestNG. Last Release on Apr 21, 2019

Arquillian TestRunner TestNG Container 3. Arquillian TestRunner TestNG Container org.jboss.arquillian.testng > arquillian-testng-container 93 usages Apache TestNG Container Implementation for the Arquillian Project Last Release on Oct 19, 2018

Mockito TestNG 4. Mockito TestNG org.mockito > mockito-testng 74 usages MIT

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https://mvnrepository.com/artifact/org.testng/testng

Category	Version	Repository	Downloads	Last Update
7.0.x	7.0.0-beta7	Central	1	Jun, 2019
	7.0.0-beta4	Central	1	Apr, 2019
	7.0.0-beta3	Central	17	Jan, 2019
	7.0.0-beta2	Central	0	Jan, 2019
	7.0.0-beta1	Central	10	Sep, 2018
	6.14.x	6.14.3	Central	821
	6.14.2	Central	148	Feb, 2018
6.13.x	6.13.1	Central	231	Nov, 2017
	6.13	Central	3	Nov, 2017
	6.11	Central	607	Mar, 2017
6.10.x	6.10	Central	409	Dec, 2016
	6.9.13.6	Central	50	Sep, 2016
	6.9.13.5	Central	0	Sep, 2016
	6.9.13.4	Central	1	Sep, 2016
	6.9.13.3	Central	1	Sep, 2016
	6.9.10	Central	1,049	Dec, 2015
	6.9.9	Central	349	Oct, 2015
	6.9.8	Central	59	Oct, 2015
	6.9.7	Central	0	Oct, 2015
		466	Central	466


  
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https://mvnrepository.com/artifact/org.testng/testng

Category	Version	Repository	Downloads	Last Published
Configuration Libraries	7.0.0-beta2	Central	0	Jan, 2019
Core Utilities	7.0.0-beta1	Central	10	Sep, 2018
Date and Time Utilities	6.14.3	Central	821	Apr, 2018
Dependency Injection	6.14.2	Central	148	Feb, 2018
Embedded SQL Databases	6.13.1	Central	231	Nov, 2017
HTML Parsers	6.13	Central	3	Nov, 2017
HTTP Clients	6.11	Central	607	Mar, 2017
I/O Utilities	6.10	Central	409	Dec, 2016
JDBC Extensions	6.9.13.6	Central	50	Sep, 2016
JDBC Pools	6.9.13.5	Central	0	Sep, 2016
JPA Implementations	6.9.13.4	Central	1	Sep, 2016
JSON Libraries	6.9.13.3	Central	1	Sep, 2016
JVM Languages	6.9.10	Central	1,049	Dec, 2015
Logging Frameworks	6.9.9	Central	349	Oct, 2015
Logging Bridges	6.9.8	Central	59	Oct, 2015
Mail Clients	6.9.7	Central	0	Oct, 2015
Maven Plugins	6.9.6	Central	466	Jul, 2015
Mocking	6.9.5	Central	8	Jul, 2015
Object/Relational Mapping	6.9.4	Central	387	May, 2015
PDF Libraries	6.8.21	Central	543	Feb, 2015



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https://mvnrepository.com/artifact/org.testng/testng/6.14.3

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Note: There is a new version for this artifact

New Version 7.0.0-beta7

Maven Gradle SBT Ivy Gape Leiningen Buildr

```
<!-- https://mvnrepository.com/artifact/org.testng/testng -->
<dependency>
    <groupId>org.testng</groupId>
    <artifactId>testng</artifactId>
    <version>6.14.3</version>
    <scope>test</scope>
</dependency>
```

Include comment with link to declaration

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Compile Dependencies (2)

Category/License	Group / Artifact	Version	Updates
CLI Parser Apache 2.0	com.beust » jcommander	1.72	✓
Apache 2.0	org.apache-extras.beanshell » bsh	2.0b6	✓

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**Note:** There is a new version for this artifact

New Version

7.0.0-beta7

Maven    Gradle    SBT    Ivy    Graple    Leiningen    Buildr

```
<!-- https://mvnrepository.com/artifact/org.testng/testng -->
<dependency>
    <groupId>org.testng</groupId>
    <artifactId>testng</artifactId>
    <version>6.14.3</version>
    <scope>test</scope>
</dependency>
```

Include comment with link to declaration

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## Compile Dependencies (2)

Category/License	Group / Artifact	Version	Updates
<b>CLI Parser</b>  Apache 2.0	 com.beust » jcommander	1.72	✓
 Apache 2.0	 org.apache-extras.beanshell » bsh	2.0b6	✓

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## Popular Tags

## android apache api application

eclipse-workspace - maven.selenium.testng/pom.xml - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Project Explorer Task List

DemoClass.java pom.xml

```
<configuration>
  <source>1.8</source>
  <target>1.8</target>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-surefire-plugin</artifactId>
<version>2.18.1</version>
<configuration>
  <suiteXmlFiles>
    <suiteXmlFile>testng.xml</suiteXmlFile>
  </suiteXmlFiles>
</configuration>
</plugin>
</plugins>
</build>
<dependencies>
<dependency>
```

Find All Activate... ?

Overview Dependencies Dependency Hierarchy Effective POM pom.xml

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

```
<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:56:52 pm)
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```

project/build Writable Smart Insert 33 : 10

eclipse-workspace - maven.selenium.testng/pom.xml - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Project Explorer Task List Quick Access

DemoClass.java maven.selenium.testng/pom.xml

```
17     <configuration>
18         <source>1.8</source>
19         <target>1.8</target>
20     </configuration>
21 </plugin>
22</plugin>
23 <groupId>org.apache.maven.plugins</groupId>
24 <artifactId>maven-surefire-plugin</artifactId>
25 <version>2.18.1</version>
26<configuration>
27<suiteXmlFiles>
28     <suiteXmlFile>testng.xml</suiteXmlFile>
29 </suiteXmlFiles>
30 </configuration>
31 </plugin>
32 </plugins>
33 </build>
34<dependencies>
35<dependency>
```

Find All Activate... ?

Overview Dependencies Dependency Hierarchy Effective POM pom.xml

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

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<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:56:52 pm)
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[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```

Writable Smart Insert 34:1 Building workspace: (50%)

eclipse-workspace - maven.selenium.testng/src/test/java/maven/selenium/testng/DemoClass.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

New  
Go Into  
Show In Alt+Shift+W >  
Copy Ctrl+C  
Copy Qualified Name  
Paste Ctrl+V  
Delete Delete  
Remove from Context Ctrl+Alt+Shift+Down  
Build Path  
Refactor Alt+Shift+T >  
Import...  
Export...  
Refresh F5  
Close Project  
Close Unrelated Project  
Show in Remote Systems view  
Coverage As  
Run As >  
1 Java Application Alt+Shift+X, J  
2 Maven build Alt+Shift+X, M  
3 Maven build...  
4 Maven clean > (highlighted)  
5 Maven generate-sources  
6 Maven install  
7 Maven test  
Run Configurations...  
port directory: C:\Users\Arvind Phulare\workspace\maven.selenium.testng\target\test-classes  
maven.selenium.testng ---  
target directory: C:\Users\Arvind Phulare\workspace\maven.selenium.testng\target\surefire-reports

Task List Find All Activate... ?

Console Error Log TestNG

4 pm)

tCompile) @ maven.selenium.testng ---  
ding Cp1252, i.e. build is platform dependent!  
ipse-workspace\maven.selenium.testng\target\test-classes  
maven.selenium.testng ---  
target directory: C:\Users\Arvind Phulare\workspace\maven.selenium.testng\target\surefire-reports

Quick Access

Project Explorer

maven.selenium

src/main/ src/main/ src/test/ja maven src/ Den src/test/re JRE Syste Maven De TestNG src target test-output pom.xml testng.xml maven.testng

Properties Alt+Enter

eclipse-workspace - maven.selenium.testng/src/test/java/maven/selenium/testng/DemoClass.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

New Go Into Show In Alt+Shift+W >

Copy Ctrl+C Copy Qualified Name Ctrl+V Paste Delete Ctrl+V Delete Remove from Context Ctrl+Alt+Shift+Down Build Path > Refactor Alt+Shift+T > Import... Export... Refresh F5 Close Project Close Unrelated Project Show in Remote Systems view Coverage As > Run As > 1 Java Application Alt+Shift+X, J 2 Maven build Alt+Shift+X, M 3 Maven build... > 4 Maven clean > 5 Maven generate-sources > 6 Maven install > 7 Maven test > Run Configurations... > Surefire report directory: C:\users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports

maven selenium pom.xml

```
ge maven.selenium.testng;
t org.openqa.selenium.WebDriver;
c class DemoClass {

    @Test
    public void test() throws InterruptedException {
        // declaration and instantiation of objects/variables
        //System.setProperty("webdriver.gecko.driver","/home/edureka/Downloads/geckodri
        //WebDriver driver = new FirefoxDriver();
        //comment the above 2 lines and uncomment below 2 lines to use Chrome
        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\Arvind Phulare\\\\Deskt
        WebDriver driver = new ChromeDriver();

        String baseUrl = "http://newtours.demoaut.com/";
        String expectedTitle = "Welcome: Mercury Tours";

        String actualTitle = "";
```

Snippets Console Error Log TestNG

2019, 1:38:44 pm)

ult-testCompile) @ maven.selenium.testng ---  
orm encoding Cp1252, i.e. build is platform dependent!  
lare\\eclipse-workspace\\maven.selenium.testng\\target\\test-classes  
-test) @ maven.selenium.testng ---  
surefire-report directory: C:\\users\\Arvind Phulare\\eclipse-workspace\\maven.selenium.testng\\target\\surefire-reports

Quick Access

Task List Find All Activate...

eclipse-workspace - maven.selenium.testng/src/test/java/maven/selenium/testng/DemoClass.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer   DemoClass.java   maven.selenium.testng/pom.xml

```
1 package maven.selenium.testng;
2
3 import org.openqa.selenium.WebDriver;
4
5 public class DemoClass {
6
7     @Test
8     public void test() throws InterruptedException {
9         // declaration and instantiation of objects/variables
10        //System.setProperty("webdriver.gecko.driver","/home/edureka/Downloads/geckodriver");
11        //WebDriver driver = new FirefoxDriver();
12        //comment the above 2 lines and uncomment below 2 lines to use Chrome
13        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\Arvind Phulare\\\\Desktop\\\\chromedriver.exe");
14        WebDriver driver = new ChromeDriver();
15
16        String baseUrl = "http://newtours.demoaut.com/";
17        String expectedTitle = "Welcome: Mercury Tours";
18
19        String actualTitle = "";
20
21    }
22
23 }
```

Task List

Find All Activate...

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:55:26 pm)

maven.selenium.testng

<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:55:26 pm)

```
[INFO] Scanning for projects...
[WARNING]
[WARNING] Some problems were encountered while building the effective model for maven.selenium:maven.selenium.testng:jar:0.0.1-SNAPSHOT
[WARNING] 'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 14, column 12
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< maven.selenium:maven.selenium.testng >-----
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ maven.selenium.testng ---
[INFO] Deleting C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.391 s
[INFO] Finished at: 2019-07-16T19:55:37+05:30
[INFO] -----
```

<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:55:26 pm)

[INFO] Scanning for projects...

[WARNING]

[WARNING] Some problems were encountered while building the effective model for maven.selenium:maven.selenium.testng:jar:0.0.1-SNAPSHOT  
[WARNING] 'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 14, column 12

[WARNING]

[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.

[WARNING]

[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.

[WARNING]

[INFO]

[INFO] -----< maven.selenium:maven.selenium.testng >-----

[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT

[INFO] -----[ jar ]-----

[INFO]

[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ maven.selenium.testng ---

[INFO] Deleting C:\Users\Arvind Phulara\eclipse-workspace\maven.selenium.testng\target

[INFO]

[INFO] BUILD SUCCESS

[INFO]

[INFO] -----

[INFO] Total time: 1.391 s

[INFO] Finished at: 2019-07-16T19:55:37+05:30

eclipse-workspace - maven.selenium.testng/src/test/java/maven/selenium/testng/DemoClass.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

New  
Go Into  
Show In  
Copy  
Copy Qualified Name  
Paste  
Delete  
Remove from Context  
Build Path  
Refactor  
Import...  
Export...  
Refresh  
Close Project  
Close Unrelated Project  
Show in Remote Systems view  
Coverage As  
Run As  
Debug As  
Profile As  
Restore from Local History...  
Maven  
Team  
Compare With  
Configure  
Source  
Validate  
TestNG  
Properties

Alt+Shift+W >  
Ctrl+C  
Ctrl+V  
Delete  
Ctrl+Alt+Shift+Down  
Alt+Shift+T >  
F5

maven.selenium.testng/pom.xml  
en.selenium.testng;  
openqa.selenium.WebDriver;□  
s DemoClass {  
st  
lic void test() throws InterruptedException {  
// declaration and instantiation of objects/variables  
//System.setProperty("webdriver.gecko.driver","/home/edureka/Downloads/geckodriver");  
//WebDriver driver = new FirefoxDriver();  
//comment the above 2 lines and uncomment below 2 lines to use Chrome  
System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\Arvind Phulare\\\\Desktop\\\\chromedriver.exe");  
WebDriver driver = new ChromeDriver();  
  
String baseUrl = "http://newtours.demoaut.com/";  
String expectedTitle = "Welcome: Mercury Tours";  
  
String actualTitle = "";

1 Java Application Alt+Shift+X, J  
2 Maven build Alt+Shift+X, M  
3 Maven build...  
4 Maven clean  
5 Maven generate-sources  
6 Maven install  
7 Maven test  
Run Configurations...

Console Error Log TestNG  
6:26 pm)  
effective model for maven.selenium:maven.selenium.testng:jar:0.0.1-SNAPSHOT  
en.plugins:maven-compiler-plugin is missing. @ line 14, column 12  
cause they threaten the stability of your build.  
onger support building such malformed projects.

-----< maven.selenium:maven.selenium.testng >-----  
EdurekaDemo 0.0.1-SNAPSHOT

Quick Access

Task List

Find All Activate... ?

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eclipse-workspace - maven.selenium.testng/src/test/java/maven/selenium/testng/DemoClass.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer Task List

DemoClass.java maven.selenium.testng/pom.xml

```
1 package maven.selenium.testng;
2
3+ import org.openqa.selenium.WebDriver;[]
4
5 public class DemoClass {
6
7     @Test
8     public void test() throws InterruptedException {
9         // declaration and instantiation of objects/variables
10        //System.setProperty("webdriver.gecko.driver","/home/edureka/Downloads/geckodriver");
11        //WebDriver driver = new FirefoxDriver();
12        //comment the above 2 lines and uncomment below 2 lines to use Chrome
13        System.setProperty("webdriver.chrome.driver","C:\\\\Users\\\\Arvind Phulare\\\\Desktop\\\\chromedriver.exe");
14        WebDriver driver = new ChromeDriver();
15
16        String baseUrl = "http://newtours.demoaut.com/";
17        String expectedTitle = "Welcome: Mercury Tours";
18
19        String actualTitle = "";
20
21    }
22
23 }
```

Find All Activate... ?

Markers Properties Servers Data Source Explorer Snippets Console Error Log TestNG

C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:56:52 pm)

C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:56:52 pm)

```
[INFO] Scanning for projects...
[WARNING]
[WARNING] Some problems were encountered while building the effective model for maven.selenium:maven.selenium.testng:jar:0.0.1-SNAPSHOT
[WARNING] 'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 14, column 12
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< maven.selenium:maven.selenium.testng >-----
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ maven.selenium.testng ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ maven.selenium.testng ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
```

C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:56:52 pm)

```
[WARNING]
[INFO]
[INFO] -----< maven.selenium:maven.selenium.testng >-----
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ maven.selenium.testng ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ maven.selenium.testng ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng[---]
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports

-----
T E S T S
-----
Running TestSuite
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.testng.xml.XMLParser (file:/C:/Users/Arvind%20Phulare/.m2/repository/org/testng/testng/6.8.8/testng-6.8.8.jar) to constructor com.sun.org.ap
WARNING: Please consider reporting this to the maintainers of org.testng.xml.XMLParser
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
Starting ChromeDriver 75.0.3770.140 (2d9f97485c7b07dc18a74666574f19176731995c-refs/branch-heads/3770@{#1155}) on port 17184
```

```
.8.jar) to constructor com.sun.org.ap
```

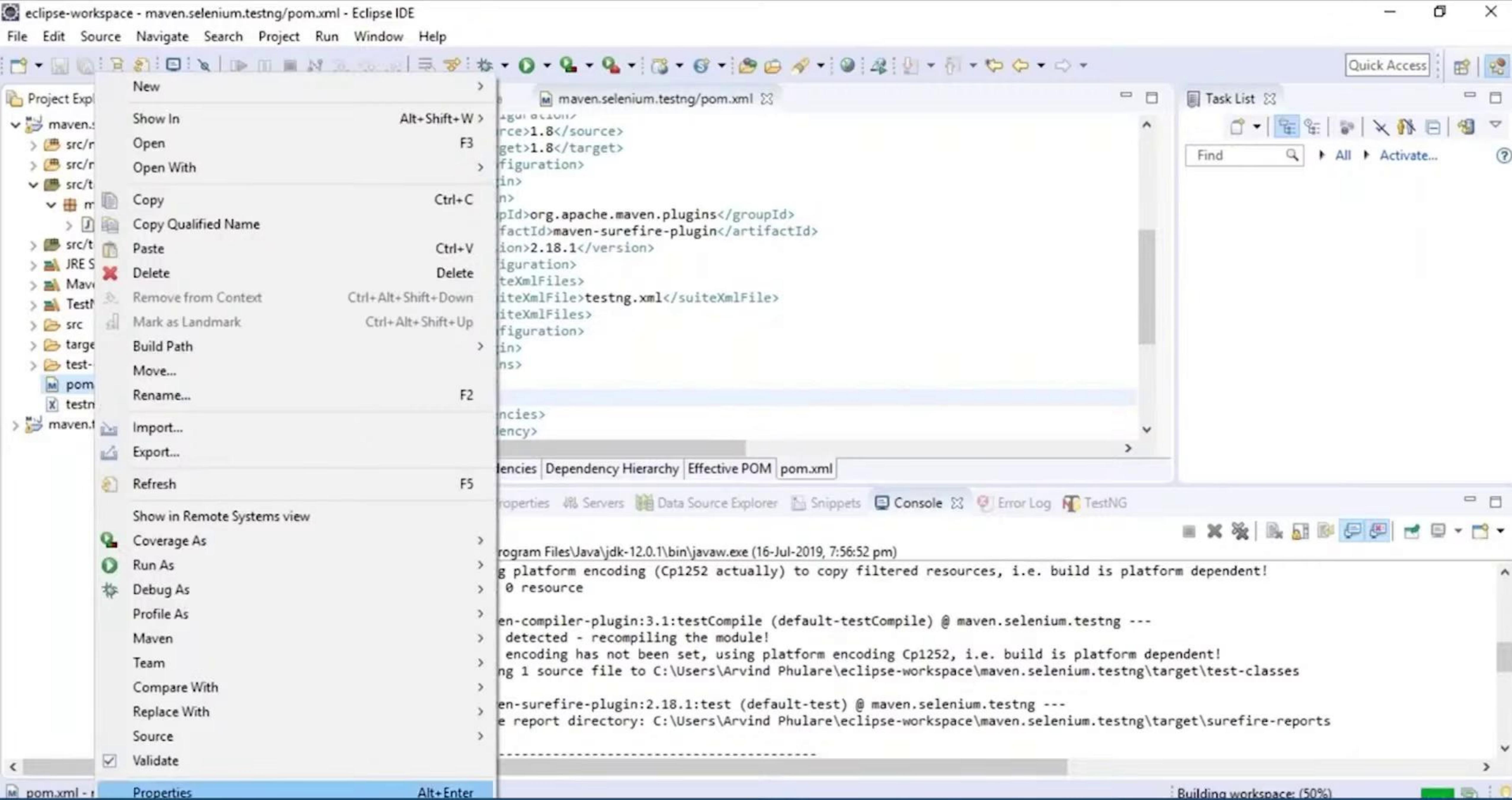
Markers Properties Se Explorer Snippets Console Error Log TestNG

```
<terminated> C:\Program Files\Java\jdk-12.0.1\bin\javaw.exe (16-Jul-2019, 7:56:52 pm)
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports

-----
TESTS
-----
Running TestSuite
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.testng.xml.XMLParser (file:/C:/Users/Arvind%20Phulare/.m2/repository/org/testng/testng/6.8.8/testng-6.8.8.jar) to constructor com.sun.org.ap
WARNING: Please consider reporting this to the maintainers of org.testng.xml.XMLParser
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
Starting ChromeDriver 75.0.3770.140 (2d9f97485c7b07dc18a74666574f19176731995c-refs/branch-heads/3770@{#1155}) on port 17184
Only local connections are allowed.
Please protect ports used by ChromeDriver and related test frameworks to prevent access by malicious code.
Test Passed!
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 14.152 sec - in TestSuite

Results :
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0

[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 27.888 s
[INFO] Finished at: 2019-07-16T19:57:23+05:30
[INFO] -----
```



```
C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng>cd C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\  
C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng>mvn clean
```



```
C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng>cd C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\

C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng>mvn clean
[INFO] Scanning for projects...
[WARNING]
[WARNING] Some problems were encountered while building the effective model for maven.selenium:maven.selenium.testng:jar:0.0.1-SNAPSHOT
[WARNING] 'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 14, column 12
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< maven.selenium:maven.selenium.testng >-----
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ maven.selenium.testng ---
[INFO] Deleting C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time:  0.979 s
[INFO] Finished at: 2019-07-16T20:02:34+05:30
[INFO] -----
```

```
C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng>mvn test
```

```
C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng>cd C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\

C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng>mvn clean
[INFO] Scanning for projects...
[WARNING]
[WARNING] Some problems were encountered while building the effective model for maven.selenium:maven.selenium.testng:jar:0.0.1-SNAPSHOT
[WARNING] 'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 14, column 12
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< maven.selenium:maven.selenium.testng >-----
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ maven.selenium.testng ---
[INFO] Deleting C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time:  0.979 s
[INFO] Finished at: 2019-07-16T20:02:34+05:30
[INFO] -----
```

```
C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng>mvn test
[INFO] Scanning for projects...
[WARNING]
[WARNING] Some problems were encountered while building the effective model for maven.selenium:maven.selenium.testng:jar:0.0.1-SNAPSHOT
[WARNING] 'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 14, column 12
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< maven.selenium:maven.selenium.testng >-----
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
Download from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-firefox-driver/3.141.59/selenium-firefox-driver-3.141.59.jar
Download from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-safari-driver/3.141.59/selenium-safari-driver-3.141.59.jar
```

```
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.  
[WARNING]  
[INFO]  
[INFO] -----< maven.selenium:maven.selenium.testng >-----  
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT  
[INFO] -----[ jar ]-----  
[INFO]  
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ maven.selenium.testng ---  
[INFO] Deleting C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target  
[INFO] -----  
[INFO] BUILD SUCCESS  
[INFO] -----  
[INFO] Total time: 0.979 s  
[INFO] Finished at: 2019-07-16T20:02:34+05:30  
[INFO] -----
```

C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng>mvn test

```
[INFO] Scanning for projects...  
[WARNING]  
[WARNING] Some problems were encountered while building the effective model for maven.selenium:maven.selenium.testng:jar:0.0.1-SNAPSHOT  
[WARNING] 'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 14, column 12  
[WARNING]  
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.  
[WARNING]  
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.  
[WARNING]  
[INFO]  
[INFO] -----< maven.selenium:maven.selenium.testng >-----  
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT  
[INFO] -----[ jar ]-----  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-firefox-driver/3.141.59/selenium-firefox-driver-3.141.59.jar  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-safari-driver/3.141.59/selenium-safari-driver-3.141.59.jar  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-ie-driver/3.141.59/selenium-ie-driver-3.141.59.jar  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-opera-driver/3.141.59/selenium-opera-driver-3.141.59.jar  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-remote-driver/3.141.59/selenium-remote-driver-3.141.59.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-opera-driver/3.141.59/selenium-opera-driver-3.141.59.jar (11 kB at 3.8 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-support/3.141.59/selenium-support-3.141.59.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-safari-driver/3.141.59/selenium-safari-driver-3.141.59.jar (16 kB at 5.3 kB/s)  
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-ie-driver/3.141.59/selenium-ie-driver-3.141.59.jar (17 kB at 5.6 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/com/google/guava/guava/25.0-jre/guava-25.0-jre.jar  
Downloading from central: https://repo.maven.apache.org/maven2/net/bytebuddy/byte-buddy/1.8.15/byte-buddy-1.8.15.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/guava/guava/25.0-jre/guava-25.0-jre.jar (1.2 MB at 1.2 MB)
```

```
[INFO] Scanning for projects...
[WARNING]
[WARNING] Some problems were encountered while building the effective model for maven.selenium:maven.selenium.testng:jar:0.0.1-SNAPSHOT
[WARNING]   'build.plugins.plugin.version' for org.apache.maven.plugins:maven-compiler-plugin is missing. @ line 14, column 12
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< maven.selenium:maven.selenium.testng >-----
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-firefox-driver/3.141.59/selenium-firefox-driver-3.141.59.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-safari-driver/3.141.59/selenium-safari-driver-3.141.59.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-ie-driver/3.141.59/selenium-ie-driver-3.141.59.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-opera-driver/3.141.59/selenium-opera-driver-3.141.59.jar
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-remote-driver/3.141.59/selenium-remote-driver-3.141.59.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-opera-driver/3.141.59/selenium-opera-driver-3.141.59.jar (11 kB at 3.8 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-support/3.141.59/selenium-support-3.141.59.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-safari-driver/3.141.59/selenium-safari-driver-3.141.59.jar (16 kB at 5.3 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-ie-driver/3.141.59/selenium-ie-driver-3.141.59.jar (17 kB at 5.6 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/google/guava/25.0-jre/guava-25.0-jre.jar
Downloading from central: https://repo.maven.apache.org/maven2/net/bytebuddy/byte-buddy/1.8.15/byte-buddy-1.8.15.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-support/3.141.59/selenium-support-3.141.59.jar (151 kB at 33 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/google/code/findbugs/jsr305/1.3.9/jsr305-1.3.9.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-remote-driver/3.141.59/selenium-remote-driver-3.141.59.jar (334 kB at 69 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/checkerframework/checker-compat-qual/2.0.0/checker-compat-qual-2.0.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/checkerframework/checker-compat-qual/2.0.0/checker-compat-qual-2.0.0.jar (32 kB at 5.8 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/google/errorprone/error_prone_annotations/2.1.3/error_prone_annotations-2.1.3.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-firefox-driver/3.141.59/selenium-firefox-driver-3.141.59.jar (810 kB at 146 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.1/j2objc-annotations-1.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/code/findbugs/jsr305/1.3.9/jsr305-1.3.9.jar (33 kB at 5.7 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/animal-sniffer-annotations/1.14/animal-sniffer-annotations-1.14.jar
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/errorprone/error_prone_annotations/2.1.3/error_prone_annotations-2.1.3.jar (14 kB at 2.3 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/squareup/okhttp3/okhttp/3.11.0/okhttp-3.11.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.1/j2objc-annotations-1.1.jar (8.8 kB at 1.4 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/com/squareup/okio/okio/1.14.0/okio-1.14.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/animal-sniffer-annotations/1.14/animal-sniffer-annotations-1.14.jar (3.5 kB at 557 kB/s)
```

```
[INFO] -----< maven.selenium:maven.selenium.testng >-----  
[INFO] Building EdurekaDemo 0.0.1-SNAPSHOT  
[INFO] -----[ jar ]-----  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-firefox-driver/3.141.59/selenium-firefox-driver-3.141.59.jar  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-safari-driver/3.141.59/selenium-safari-driver-3.141.59.jar  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-ie-driver/3.141.59/selenium-ie-driver-3.141.59.jar  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-opera-driver/3.141.59/selenium-opera-driver-3.141.59.jar  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-remote-driver/3.141.59/selenium-remote-driver-3.141.59.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-opera-driver/3.141.59/selenium-opera-driver-3.141.59.jar (11 kB at 3.8 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-support/3.141.59/selenium-support-3.141.59.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-safari-driver/3.141.59/selenium-safari-driver-3.141.59.jar (16 kB at 5.3 kB/s)  
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-ie-driver/3.141.59/selenium-ie-driver-3.141.59.jar (17 kB at 5.6 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/com/google/guava/25.0-jre/guava-25.0-jre.jar  
Downloading from central: https://repo.maven.apache.org/maven2/net/bytebuddy/byte-buddy/1.8.15/byte-buddy-1.8.15.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-support/3.141.59/selenium-support-3.141.59.jar (151 kB at 33 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/com/google/findbugs/jsr305/1.3.9/jsr305-1.3.9.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-remote-driver/3.141.59/selenium-remote-driver-3.141.59.jar (334 kB at 69 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/org/checkerframework/checker-compat-qual/2.0.0/checker-compat-qual-2.0.0.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/org/checkerframework/checker-compat-qual/2.0.0/checker-compat-qual-2.0.0.jar (32 kB at 5.8 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/com/google/errorprone/error_prone_annotations/2.1.3/error_prone_annotations-2.1.3.jar  
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Downloading from central: https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.1/j2objc-annotations-1.1.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/code/findbugs/jsr305/1.3.9/jsr305-1.3.9.jar (33 kB at 5.7 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/animal-sniffer-annotations/1.14/animal-sniffer-annotations-1.14.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/errorprone/error_prone_annotations/2.1.3/error_prone_annotations-2.1.3.jar (14 kB at 2.3 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/com/squareup/okhttp3/okhttp/3.11.0/okhttp-3.11.0.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.1/j2objc-annotations-1.1.jar (8.8 kB at 1.4 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/com/squareup/okio/okio/1.14.0/okio-1.14.0.jar  
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/animal-sniffer-annotations/1.14/animal-sniffer-annotations-1.14.jar (3.5 kB at 557 kB/s)  
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/guava/guava/25.0-jre/guava-25.0-jre.jar (2.7 MB at 397 kB/s)  
Downloading from central: https://repo.maven.apache.org/maven2/net/bytebuddy/byte-buddy/1.8.15/byte-buddy-1.8.15.jar (3.0 MB at 420 kB/s)  
Downloaded from central: https://repo.maven.apache.org/maven2/com/squareup/okio/okio/1.14.0/okio-1.14.0.jar (86 kB at 12 kB/s)  
Downloaded from central: https://repo.maven.apache.org/maven2/com/squareup/okhttp3/okhttp/3.11.0/okhttp-3.11.0.jar (414 kB at 51 kB/s)  
[INFO]  
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ maven.selenium.testng ---  
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!  
[INFO] Copying 0 resource  
[INFO]  
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ maven.selenium.testng ---
```

```
Downloading from central: https://repo.maven.apache.org/maven2/org/checkerframework/checker-compat-qual/2.0.0/checker-compat-qual-2.0.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/checkerframework/checker-compat-qual/2.0.0/checker-compat-qual-2.0.0.jar (32 kB at 5.8 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/google/errorprone/error_prone_annotations/2.1.3/error_prone_annotations-2.1.3.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/seleniumhq/selenium/selenium-firefox-driver/3.141.59/selenium-firefox-driver-3.141.59.jar (810 kB at 146 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.1/j2objc-annotations-1.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/code/findbugs/jsr305/1.3.9/jsr305-1.3.9.jar (33 kB at 5.7 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/animal-sniffer-annotations/1.14/animal-sniffer-annotations-1.14.jar
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Downloading from central: https://repo.maven.apache.org/maven2/com/squareup/okhttp3/okhttp/3.11.0/okhttp-3.11.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/j2objc/j2objc-annotations/1.1/j2objc-annotations-1.1.jar (8.8 kB at 1.4 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/com/squareup/okio/okio/1.14.0/okio-1.14.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/animal-sniffer-annotations/1.14/animal-sniffer-annotations-1.14.jar (3.5 kB at 557 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/com/google/guava/guava/25.0-jre/guava-25.0-jre.jar (2.7 MB at 397 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/net/bytebuddy/byte-buddy/1.8.15/byte-buddy-1.8.15.jar (3.0 MB at 420 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/com/squareup/okio/okio/1.14.0/okio-1.14.0.jar (86 kB at 12 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/com/squareup/okhttp3/okhttp/3.11.0/okhttp-3.11.0.jar (414 kB at 51 kB/s)

[INFO] [INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ maven.selenium.testng ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ maven.selenium.testng ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```

-----  
TESTS-----  
Running TestSuite

```
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\classes
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ maven.selenium.testng ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven.selenium.testng ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 1 source file to C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.18.1:test (default-test) @ maven.selenium.testng ---
[INFO] Surefire report directory: C:\Users\Arvind Phulare\eclipse-workspace\maven.selenium.testng\target\surefire-reports
```

---

TESTS

---

```
Running TestSuite
Starting ChromeDriver 75.0.3770.140 (2d9f97485c7b07dc18a74666574f19176731995c-refs/branch-heads/3770@{#1155}) on port 18720
Only local connections are allowed.
Please protect ports used by ChromeDriver and related test frameworks to prevent access by malicious code.
Jul 16, 2019 8:03:20 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
Test Passed!
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 18.96 sec - in TestSuite
```

## Results :

```
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
```

---

```
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 40.848 s
[INFO] Finished at: 2019-07-16T20:03:28+05:30
[INFO] -----
```