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Build and Release Management Lab

LAB EXERCISE 1

1. Create a Java Project using Maven.
2. Run the following maven goals on this project x Clean x Compile x Test-Compile x

The screenshot shows a code editor with two tabs. The top tab is titled "Myclass1.java" and contains the following Java code:

```
1 package lab1_BRM;
2
3 public class Myclass1 {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7
8     }
9
10}
11
```

The bottom tab is titled "pom.xml" and contains the following Maven configuration:

```
1<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
2     <modelVersion>4.0.0</modelVersion>
3     <groupId>Devops2020</groupId>
4     <artifactId>lab1_BRM</artifactId>
5     <version>0.0.1-SNAPSHOT</version>
6     <dependencies>
7         <dependency>
8             <groupId>org.apache.maven.plugins</groupId>
9             <artifactId>maven-compiler-plugin</artifactId>
10            <version>3.1</version>
11        </dependency>
12    </dependencies>
13</project>
```

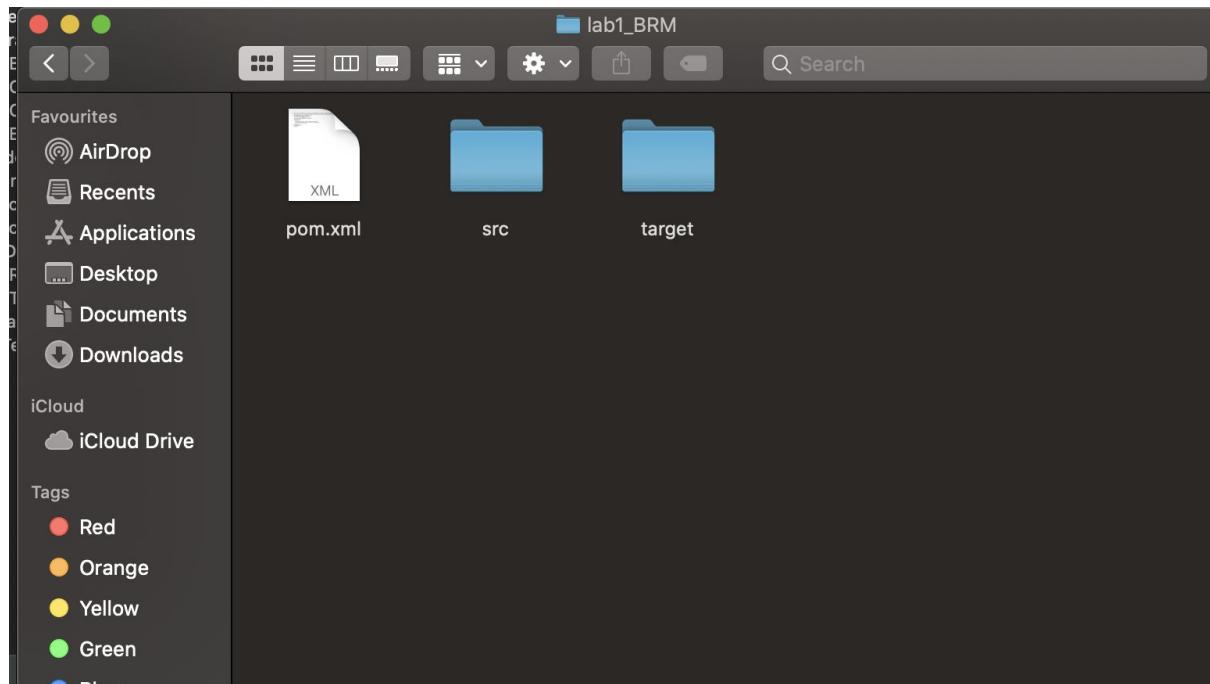
Clean command

```
Console <terminated> lab1_BRM [Maven Build] /Library/Java/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java (23-Feb-2020, 6:10:50 pm)
[INFO] Scanning for projects...
[INFO]
[INFO] -----< Devops2020:lab1_BRM >-----
[INFO] Building lab1_BRM 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ lab1_BRM ---
[INFO] Deleting /Users/piyushvishnoi/eclipse-workspace/lab1_BRM/target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time:  0.311 s
[INFO] Finished at: 2020-02-23T18:10:51+05:30
[INFO]
```

Compile command

```
Console <terminated> lab1_BRM (2) [Maven Build] /Library/Java/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java (23-Feb-2020, 6:16:38 pm)
[INFO] Scanning for projects...
[INFO]
[INFO] -----< Devops2020:lab1_BRM >-----
[INFO] Building lab1_BRM 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ lab1_BRM ---
[WARNING] Using platform encoding (UTF-8 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) @ lab1_BRM ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time:  0.757 s
[INFO] Finished at: 2020-02-23T18:16:40+05:30
[INFO]
```

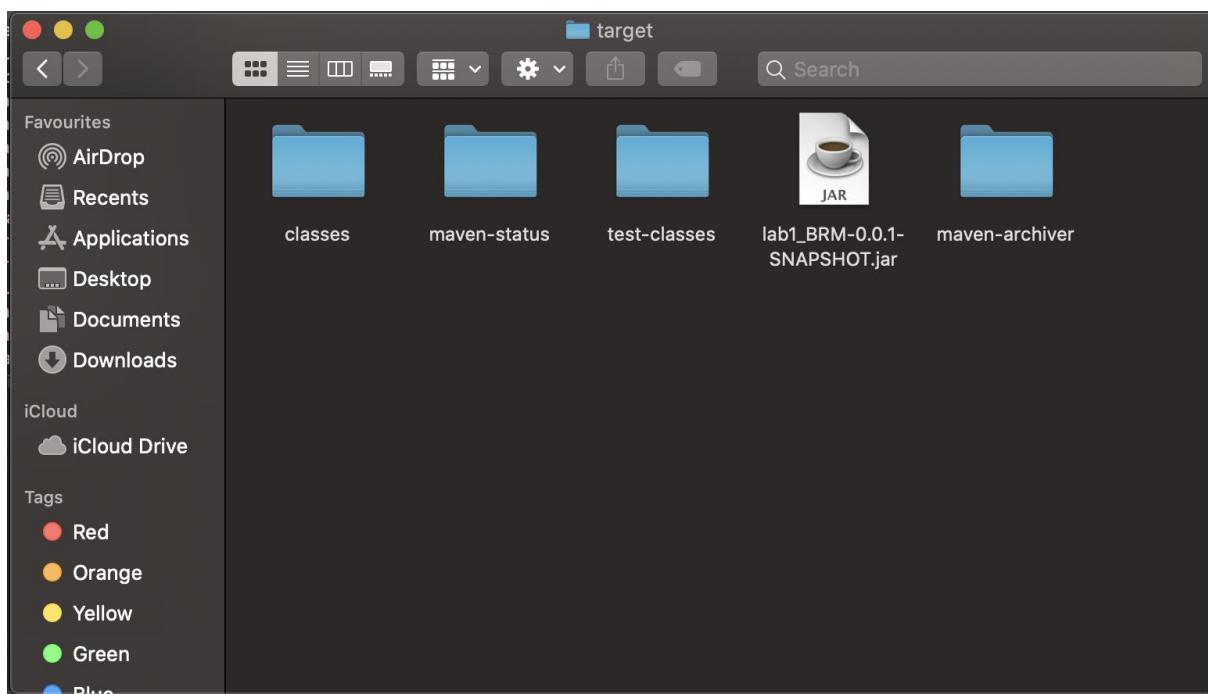
After compile:



Maven Install:

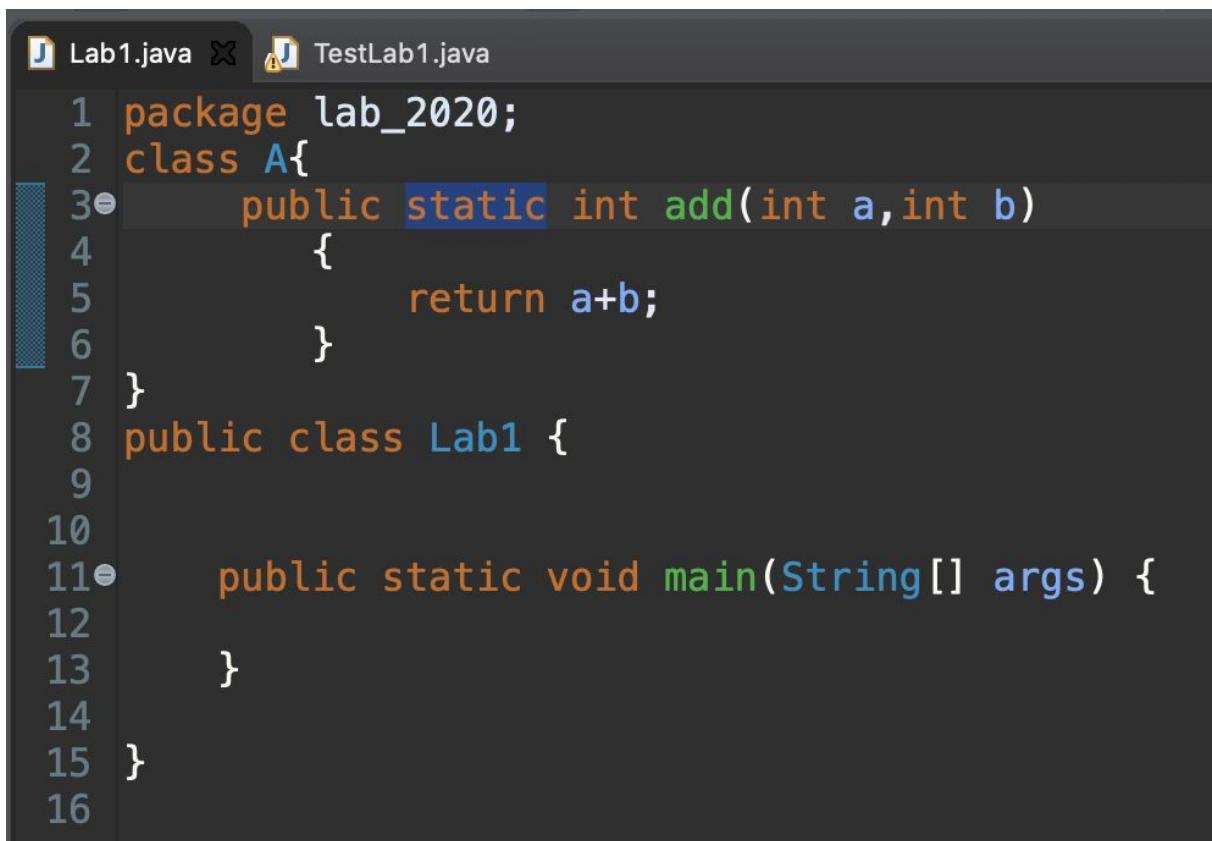
```
[INFO] Scanning for projects...
[INFO]
[INFO] ---> Devops2020:lab1_BRM <---
[INFO] Building lab1_BRM 0.0.1-SNAPSHOT
[INFO] --> [ jar ] ---
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ lab1_BRM ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ lab1_BRM ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ lab1_BRM ---
[WARNING] Using platform encoding (UTF-8 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) @ lab1_BRM ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ lab1_BRM ---
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ lab1_BRM ---
[INFO] Building jar: /Users/piyushvishnoi/eclipse-workspace/lab1_BRM/target/lab1_BRM-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ lab1_BRM ---
[INFO] Installing /Users/piyushvishnoi/eclipse-workspace/lab1_BRM/target/lab1_BRM-0.0.1-SNAPSHOT.jar to /Users/piyushvishnoi/.m2/repository/Dev
[INFO] Installing /Users/piyushvishnoi/eclipse-workspace/lab1_BRM/pom.xml to /Users/piyushvishnoi/.m2/repository/Devops2020/lab1_BRM/0.0.1-SNAPS
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.287 s
[INFO] Finished at: 2020-02-23T18:27:53+05:30
[INFO]
```

After Install:



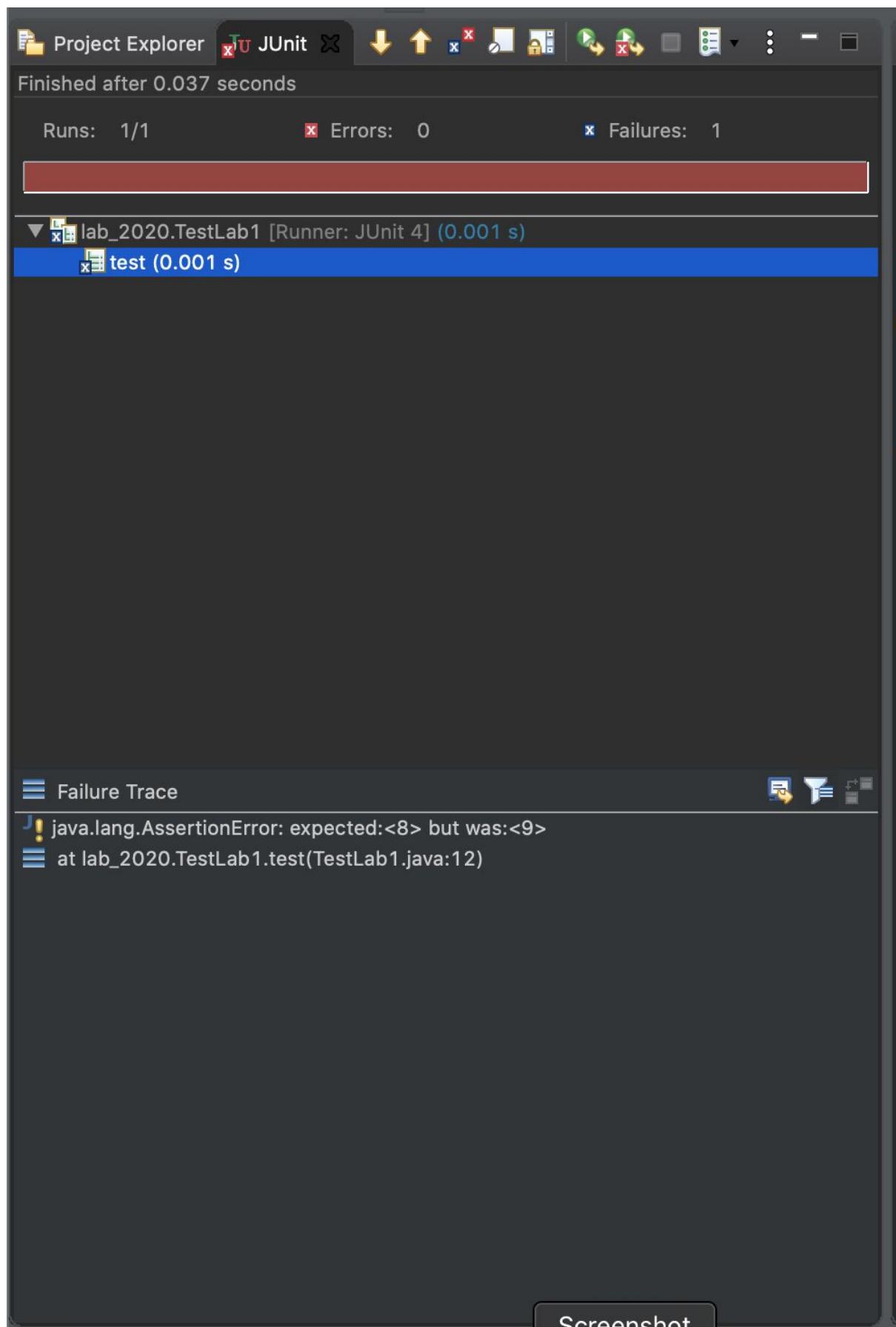
Lab Experiment - 2

Q1. Write a program in java to find sum of two numbers and test this unit with JUnit tool.



The screenshot shows a Java code editor with two tabs: "Lab1.java" and "TestLab1.java". The "Lab1.java" tab is active, displaying the following code:

```
1 package lab_2020;
2 class A{
3     public static int add(int a,int b)
4     {
5         return a+b;
6     }
7 }
8 public class Lab1 {
9
10
11    public static void main(String[] args) {
12
13
14
15 }
16 }
```



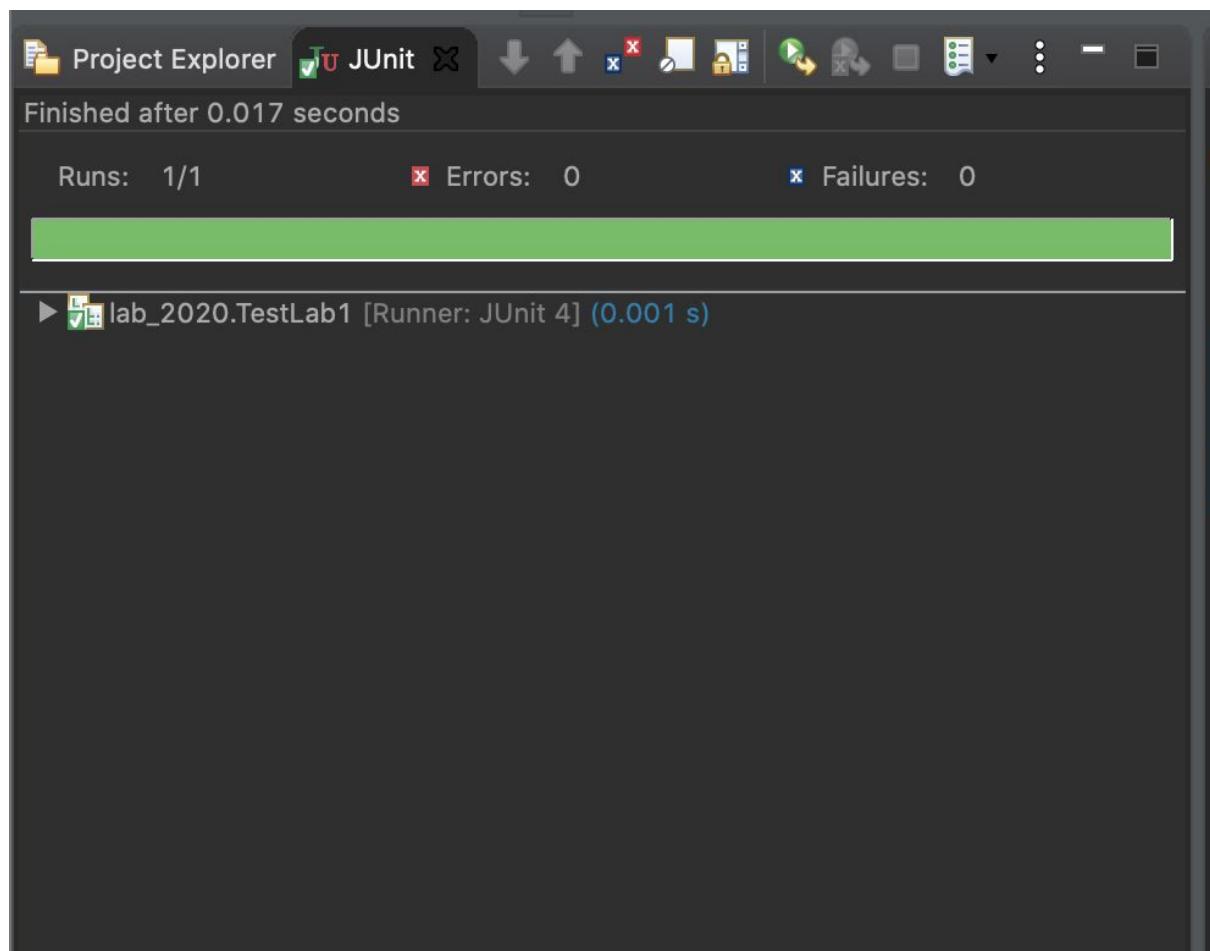
Screenshot

The screenshot shows a Java code editor with the file `TestLab1.java` open. The code contains a test method that creates an object of class `A` and performs an assertion on its `add` method. A cursor is positioned at the end of the line `//assertEquals(8,A.add(5,4));`.

```
1 package lab_2020;
2+import static org.junit.Assert.*;
5
6 public class TestLab1 {
7
8@Test
9     public void test() {
10        A obj=new A();
11        assertEquals(9,A.add(5,4));
12        //assertEquals(8,A.add(5,4));
13    }
14
15 }
16
```

The screenshot shows a Maven configuration file (`pom.xml`) with version 4.0.0. It defines a group ID of `devops`, an artifact ID of `lab_2020`, and a version of `0.0.1-SNAPSHOT`. It includes dependencies for JUnit 4.13 and the Maven Compiler Plugin 3.1.

```
1<project xmlns="http://maven.apache.org/POM/4.0.0"
2  <modelVersion>4.0.0</modelVersion>
3  <groupId>devops</groupId>
4  <artifactId>lab_2020</artifactId>
5  <version>0.0.1-SNAPSHOT</version>
6<dependencies>
7<dependency>
8    <groupId>junit</groupId>
9    <artifactId>junit</artifactId>
10   <version>4.13</version>
11   <scope>test</scope>
12 </dependency>
13<dependency>
14   <groupId>org.apache.maven.plugins</groupId>
15   <artifactId>maven-compiler-plugin</artifactId>
16   <version>3.1</version>
17 </dependency>
18 </dependencies>
19 </project>
```



Q2. Write a program in Java to find the reverse of a number and test it using JUnit tool.

The screenshot shows a Java development environment with two tabs open: "lab1que2.java" and "testlab1que2.java".

```
1 package lab_2020;
2
3 public class lab1que2 {
4     public int reverse(int no)
5     {
6         Integer revno=0;
7         for(int i=no;i>0;i=i/10)
8             { Integer rem=i%10;
9                 revno=(revno*10)+rem;
10            }
11        return revno;
12    }
13 }
14
```

The screenshot shows the "testlab1que2.java" file from the previous screenshot, now containing JUnit test code.

```
1 package lab_2020;
2
3 import static org.junit.Assert.*;
4
5 public class testlab1que2 {
6
7     @Test
8     public void test() {
9         lab1que2 obj=new lab1que2();
10        assertEquals(12321,obj.reverse(12321));
11    }
12
13 }
14
15 }
```

```
<terminated> /Library/Java/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java (23-Feb-2020, 11:10:05 pm)

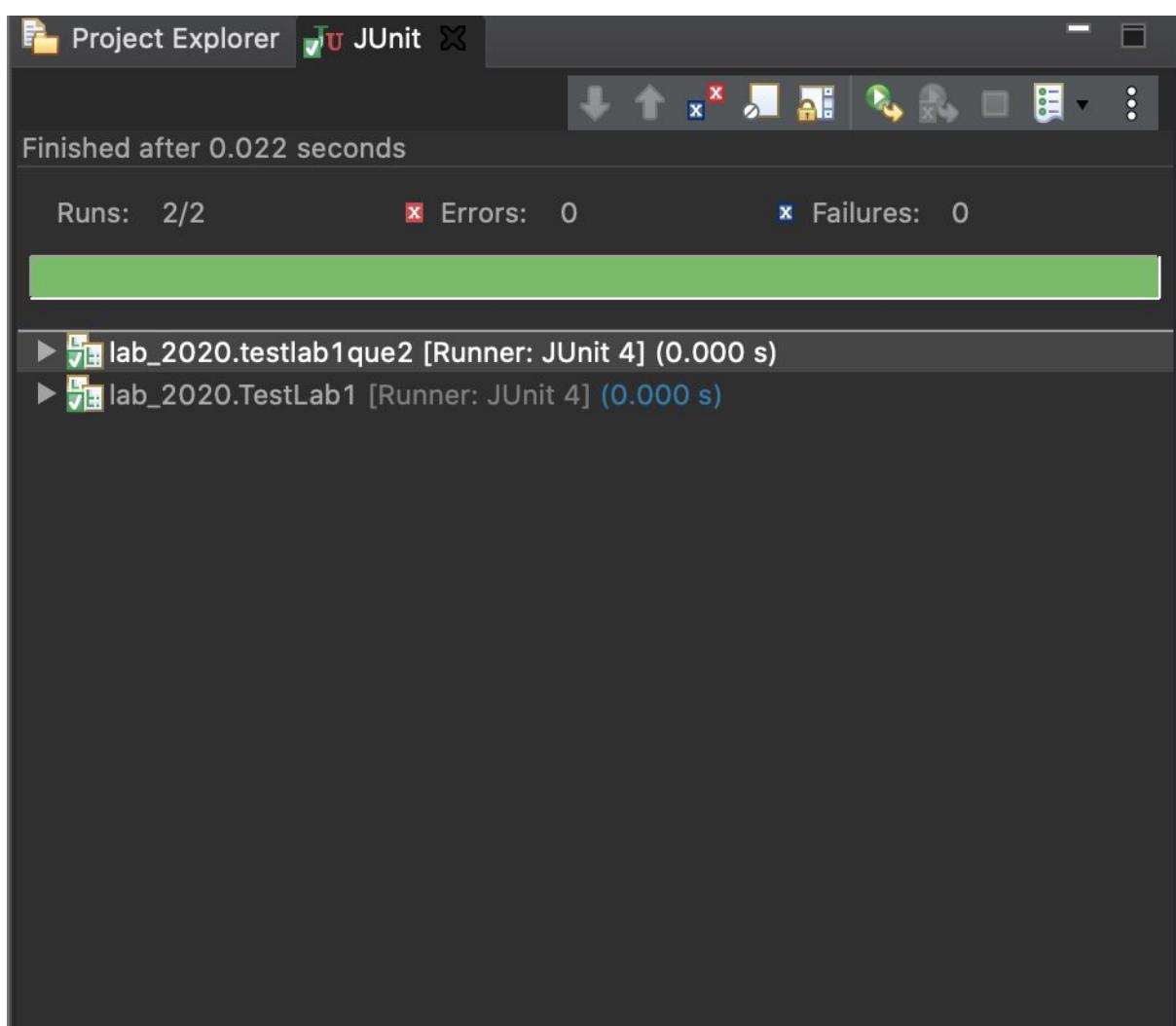
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ lab_2020 ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ lab_2020 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ lab_2020 ---
[INFO] Surefire report directory: /Users/piyushvishnoi/eclipse-workspace/lab_2020/target/surefire-reports

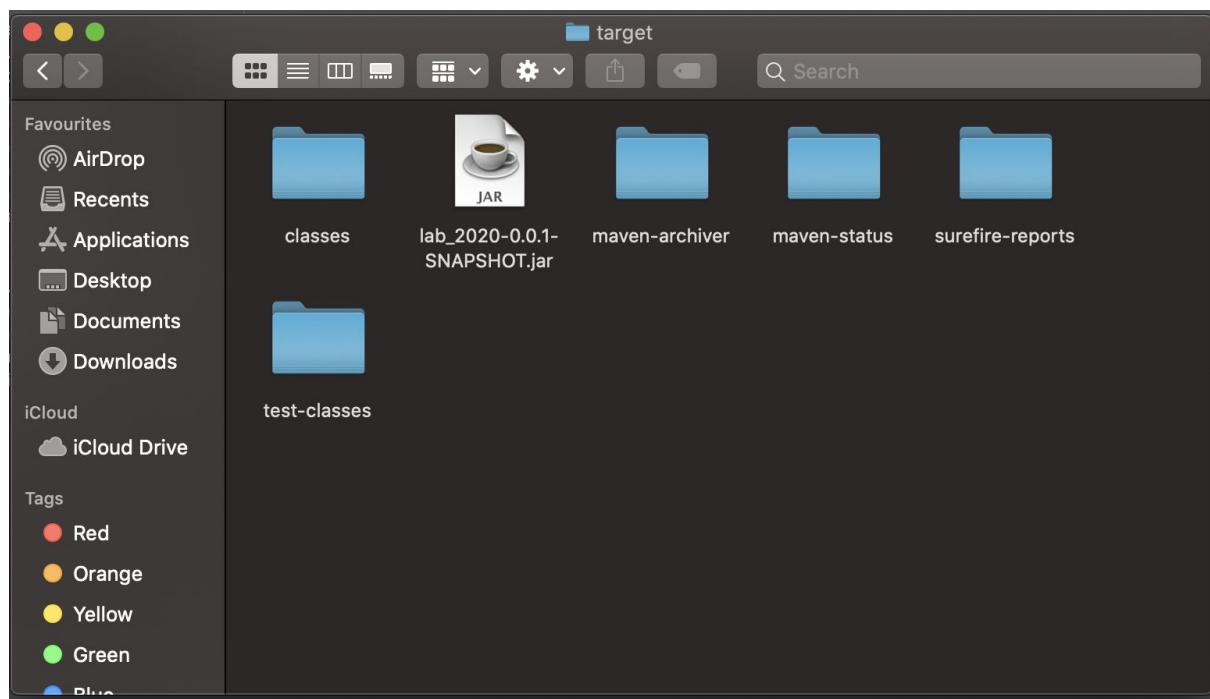
-----
T E S T S
-----
Running lab_2020.TestLab1
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.072 sec

Results :

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

[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ lab_2020 ---
[INFO] Building jar: /Users/piyushvishnoi/eclipse-workspace/lab_2020/target/lab_2020-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ lab_2020 ---
[INFO] Installing /Users/piyushvishnoi/eclipse-workspace/lab_2020/target/lab_2020-0.0.1-SNAPSHOT.jar to /Users/piyushvishnoi/.m2/repository/devops/lab_2020/0.0.1/lab_2020-0.0.1-SNAPSHOT.jar
[INFO] Installing /Users/piyushvishnoi/eclipse-workspace/lab_2020/pom.xml to /Users/piyushvishnoi/.m2/repository/devops/lab_2020/0.0.1/lab_2020-0.0.1.pom
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.754 s
[INFO] Finished at: 2020-02-23T23:10:08+05:30
[INFO]
```





Lab Experiment - 3

Aim: Maven Build and usage in other Java Project

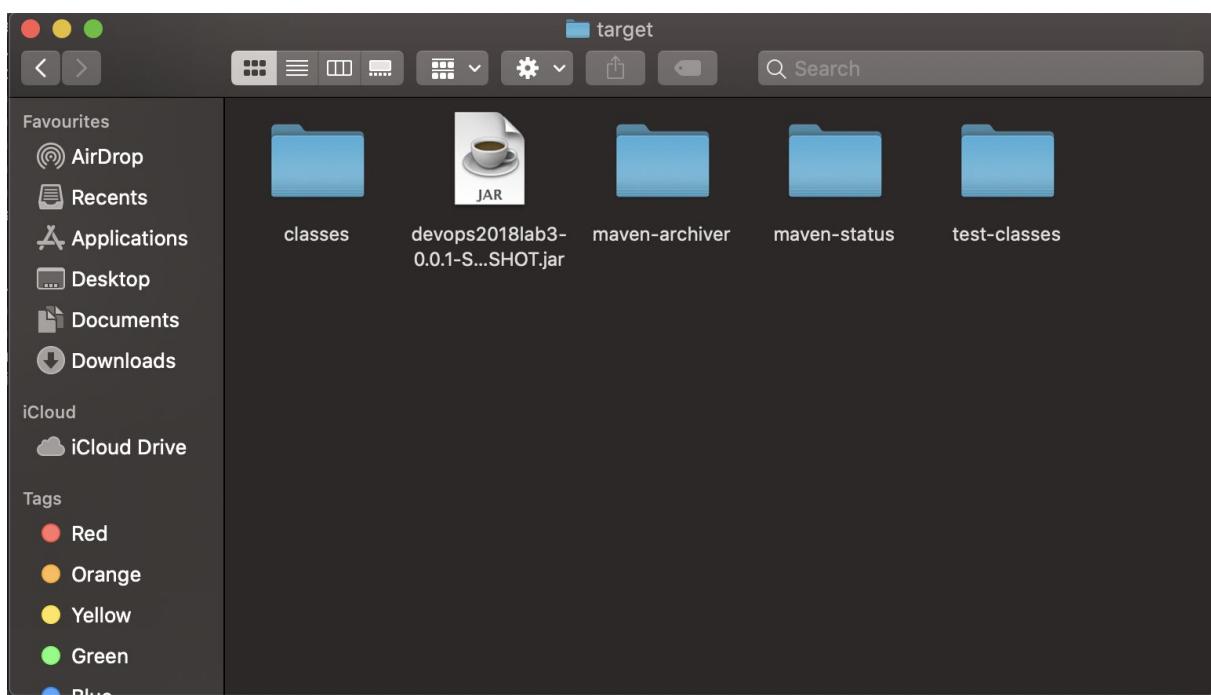
1. Create a Build of java project using maven.
2. Use that build in some other Java Project.

```
1 package pkg1;
2
3 public class myclass1 {
4     public int sum(int a, int b)
5     {
6         return a+b;
7     }
8     public int sub(int a, int b)
9     {
10        return a-b;
11    }
12 }
13 |
```

myclass3.java ✘

```
1 package pkg3;
2 import pkg1.*;
3 public class myclass3 {
4
5     public static void main(String[] args) {
6
7
8     }
9
10 }
11 |
```

```
<terminated> /LibraryJava/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java (24-Feb-2020, 12:03:20 am)
[INFO] Scanning for projects...
[INFO]
[INFO] -----< devops:devops2018lab3 >-----
[INFO] Building devops2018lab3 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ devops2018lab3 ---
[WARNING] Using platform encoding (UTF-8 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) @ devops2018lab3 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ devops2018lab3 ---
[WARNING] Using platform encoding (UTF-8 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) @ devops2018lab3 ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ devops2018lab3 ---
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ devops2018lab3 ---
[INFO] Building jar: /Users/piyushvishnoi/eclipse-workspace/devops2018lab3/target/devops2018lab3-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ devops2018lab3 ---
[INFO] Installing /Users/piyushvishnoi/eclipse-workspace/devops2018lab3/target/devops2018lab3-0.0.1-SNAPSHOT.jar
[INFO] Installing /Users/piyushvishnoi/eclipse-workspace/devops2018lab3/pom.xml to /Users/piyushvishnoi/.m2/repository/devops/devops2018lab3/0.0.1-SNAPSHOT/devops2018lab3-0.0.1-SNAPSHOT.jar
[INFO] 
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.627 s
[INFO] Finished at: 2020-02-24T00:03:23+05:30
[INFO]
```



Lab Experiment - 4

Aim: Install and Manage Maven Plugin

Install Site Plugin and use “mvn site” command and goal for generating documents for Maven Project.

```
1 package pkg1;
2
3 public class myclass1 {
4     public int sum(int a,int b)
5     {
6         return a+b;
7     }
8     public static void main(String[] args) {
9         // TODO Auto-generated method stub
10    }
11 }
12
13 }
14 }
```

```
1 package pkg1;
2
3 import static org.junit.Assert.*;
4
5 public class testmyclass1 {
6
7     @Test
8     public void test() {
9         myclass1 obj=new myclass1();
10        assertEquals(9,obj.sum(3, 6));
11    }
12
13 }
14 }
```

```
1<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:sch
2  <modelVersion>4.0.0</modelVersion>
3  <groupId>Devops</groupId>
4  <artifactId>lab4_BRM</artifactId>
5  <version>0.0.1-SNAPSHOT</version>
6<dependencies>
7<dependency>
8  <groupId>junit</groupId>
9  <artifactId>junit</artifactId>
10 <version>4.12</version>
11 <scope>test</scope>
12 </dependency>
13<dependency>
14  <groupId>org.apache.maven.plugins</groupId>
15  <artifactId>maven-compiler-plugin</artifactId>
16  <version>3.1</version>
17 </dependency>
18 </dependencies>
19<build>
20<pluginManagement>
21<plugins>
22<plugin>
23 <groupId>org.apache.maven.plugins</groupId>
24 <artifactId>maven-site-plugin</artifactId>
25 <version>3.7.1</version>
26 </plugin>
27 </plugins>
28 </pluginManagement>
29 </build>
30 </project>
```

```
Console [2]
terminated> /Library/Java/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java (17-Feb-2020, 11:59:57 am)
[INFO] Scanning for projects...
[INFO] 
-----< Devops:lab4_BRM >-----
[INFO] Building lab4_BRM 0.0.1-SNAPSHOT
[INFO]   [ jar ]-----
[INFO] 
-----[ INFO ] --- maven-resources-plugin:2.6:resources (default-resources) @ lab4_BRM ---
[WARNING] Using platform encoding (UTF-8 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) @ lab4_BRM ---
[INFO] Nothing to compile - all classes are up to date
[INFO] 
-----[ INFO ] --- maven-resources-plugin:2.6:testResources (default-testResources) @ lab4_BRM ---
[WARNING] Using platform encoding (UTF-8 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) @ lab4_BRM ---
[INFO] Nothing to compile - all classes are up to date
[INFO] 
-----[ INFO ] --- maven-surefire-plugin:2.12.4:test (default-test) @ lab4_BRM ---
[INFO] 
-----[ INFO ] --- maven-jar-plugin:2.4:jar (default-jar) @ lab4_BRM ---
[INFO] Building jar: /Users/piyushvishnoi/eclipse-workspace/lab4_BRM/target/lab4_BRM-0.0.1-SNAPSHOT.jar
[INFO] 
-----[ INFO ] --- maven-install-plugin:2.4:install (default-install) @ lab4_BRM ---
[INFO] Installing /Users/piyushvishnoi/eclipse-workspace/lab4_BRM/target/lab4_BRM-0.0.1-SNAPSHOT.jar to /Users/piyushvishnoi/.m2/repository/Devo
[INFO] Installing /Users/piyushvishnoi/eclipse-workspace/lab4_BRM/pom.xml to /Users/piyushvishnoi/.m2/repository/Devops/lab4_BRM/0.0.1-SNAPSHOT/
[INFO] 
-----[ INFO ] BUILD SUCCESS
[INFO] 
-----[ INFO ] Total time: 1.570 s
[INFO] Finished at: 2020-02-17T12:00:00+05:30
[INFO] -----
```

```
Console [2]
terminated> lab4_BRM (3) [ Maven Build ] /Library/Java/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java (17-Feb-2020, 12:22:09 pm)
      at org.codehaus.plexus.classworlds.launcher.Launcher.launch(Launcher.java:225)
      at org.codehaus.plexus.classworlds.launcher.Launcher.mainWithExitCode(Launcher.java:406)
      at org.codehaus.plexus.classworlds.launcher.Launcher.main(Launcher.java:347)
Caused by: org.apache.maven.model.building.ModelBuildingException: 1 problem was encountered while building the effective model for commons-logg
[ERROR] 'distributionManagement.status' must not be specified. @ line 163, column 13
      at org.apache.maven.model.building.DefaultModelProblemCollector.newModelError(DefaultModelProblemCollector.java:197)
      at org.apache.maven.model.building.DefaultModelBuilder.build(DefaultModelBuilder.java:498)
      at org.apache.maven.model.building.DefaultModelBuilder.build(DefaultModelBuilder.java:440)
      at org.apache.maven.model.building.DefaultModelBuilder.build(DefaultModelBuilder.java:439)
      at org.apache.maven.project.DefaultProjectBuilder.build(DefaultProjectBuilder.java:173)
      ... 40 more
[INFO] Generating "Dependency Information" report --- maven-project-info-reports-plugin:3.0.0:dependency-info
[INFO] Generating "About" report     --- maven-project-info-reports-plugin:3.0.0:index
[INFO] Generating "Plugin Management" report    --- maven-project-info-reports-plugin:3.0.0:plugin-management
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.3/maven-antrun-plugin-1.3.pom
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.3/maven-antrun-plugin-1.3.pom (4.7
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/12/maven-plugins-12.pom
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/12/maven-plugins-12.pom (12 kB at 26 kB/s)
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/9/maven-parent-9.pom
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/9/maven-parent-9.pom (33 kB at 49 kB/s)
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/2.2-beta-5/maven-assembly-plugin-2
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/2.2-beta-5/maven-assembly-plugin-2.
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/2.2-beta-5/maven-assembly-plugin-2.
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/16/maven-plugins-16.pom (13 kB at 26 kB/s)
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/2.8/maven-dependency-plugin-2.8
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/2.8/maven-dependency-plugin-2.8.p
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/2.5.3/maven-release-plugin-2.5.3.pom
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/2.5.3/maven-release-plugin-2.5.3.pom
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/release/maven-release/2.5.3/maven-release-2.5.3.pom (5.0 kB at 12
[INFO] Generating "Plugins" report     --- maven-project-info-reports-plugin:3.0.0:plugins
[INFO] Downloading from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/2.7/maven-deploy-plugin-2.7.pom
[INFO] Downloaded from : https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/2.7/maven-deploy-plugin-2.7.pom (5.6
[INFO] Generating "Summary" report     --- maven-project-info-reports-plugin:3.0.0:summary
[INFO] 
-----[ INFO ] BUILD SUCCESS
[INFO] 
-----[ INFO ] Total time: 03:19 min  Screenshot
[INFO] -----
```

File | /Users/piyushvishnoi/eclipse-workspace/lab4_BRM/target/site/index.html

lab4_BRM

Last Published: 2020-02-17 | Version: 0.0.1-SNAPSHOT

Project Documentation

- Project Information
- Dependencies
- Dependency
- Information

About

- Plugin Management
- Plugins
- Summary

Built by  Maven

About lab4_BRM

There is currently no description associated with this project.

Copyright © 2020. All rights reserved.

File | /Users/piyushvishnoi/eclipse-workspace/lab4_BRM/target/site/summary.html

lab4_BRM

Last Published: 2020-02-17 | Version: 0.0.1-SNAPSHOT

Project Documentation

- Project Information
- Dependencies
- Dependency Information
- About
- Plugin Management
- Plugins
- Summary

Built by Maven

Project Summary

Project Information

Field	Value
Name	lab4_BRM
Description	-
Homepage	-

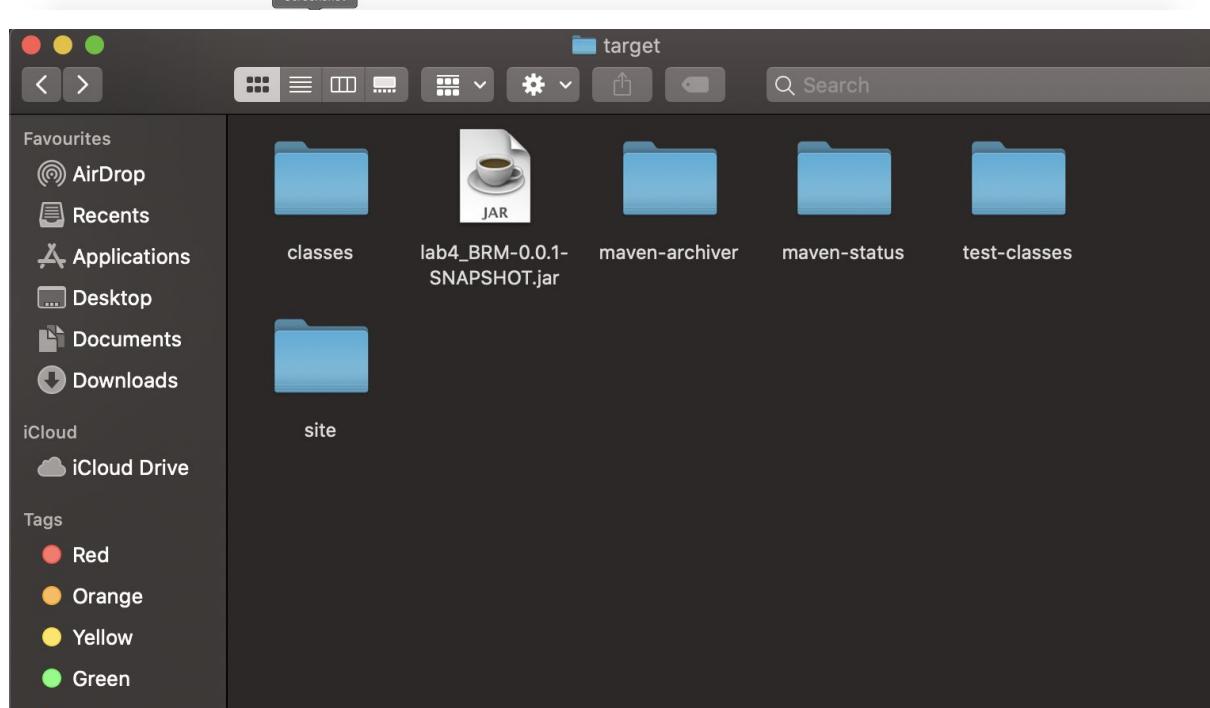
Project Organization

This project does not belong to an organization.

Build Information

Field	Value
GroupId	Devops
ArtifactId	lab4_BRM
Version	0.0.1-SNAPSHOT
Type	jar
Java Version	-

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Lab Experiment - 5

Aim: Working with Maven Repository

1. Add Central Repository (Hibernate)

mvnrepository.com

hibernate

Categories | Popular | Contact Us

What's New in Maven

- Micronaut**
io.micronaut > micronaut-runtime > 2.0.0.M3
Natively Cloud Native
Last Release on Apr 30, 2020
- Micronaut**
io.micronaut > micronaut-http-server > 2.0.0.M3
Natively Cloud Native
Last Release on Apr 30, 2020
- Atrium Core API JVM**
ch.tutteli.atrium > atrium-core-api > 0.11.1
API of the core of Atrium for the JVM platform.
Last Release on Apr 30, 2020
- Fluxtion :: Builder**
com.fluxtion > fluxtion-builder > 2.5.0
Fluxtion :: Builder
Last Release on Apr 30, 2020
- Atrium Domain Robstoll Android**
ch.tutteli.atrium > atrium-domain-robstoll-android > 0.11.1
robstoll's <rstoll@tutteli.ch> implementation of the domain (assertion functions and builders) of Atrium for Android.
Screenshot on Apr 30, 2020

Indexed Artifacts (17.0M)

Popular Categories

- Aspect Oriented
- Actor Frameworks
- 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
- JP
- JS
- Smile
- Spock
- TestNG
- UI
- VM
- XML
- YAML
- ZK

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Indexed Repositories (1277)

Central

Sonatype

Spring Plugins

Spring Lib M

Hortonworks

Atlassian

JCenter

JBossEA

JBoss Releases

WSO2 Releases

Popular Tags

android apache api application assets aws build build-system camel client clojure cloud config data database eclipse example extension frameworks github gradle groovy http io

mvnrepository.com

Search for groups, artifacts, categories

Categories | Popular | Contact Us

Home > org.hibernate > hibernate-core

Hibernate Core Relocation

Hibernate ORM 6.0.0.Alpha5 release. See <http://hibernate.org/orm/releases/6.0>

License	GPL 2.1
Categories	Object/Relational Mapping
Tags	hibernate persistence relational mapping
Used By	3,174 artifacts

Note: This artifact was moved to:
[org.hibernate.orm > hibernate-core > 6.0.0.Alpha5](#)

Central (211)	Atlassian 3rdParty (3)	Atlassian 3rd-P Old (18)	Spring Lib Release (1)	Spring Plugins (4)	Redhat GA (40)		
Redhat EA (19)	ImageJ Public (2)	ICM (5)	TU-Darmstadt (1)	Grails Core (5)	JCenter (23)	EBI (3)	Geomajas (1)
EBIPublic (1)							

Version	Repository	Usages	Date
6.0.0.Alpha5	Central	0	Apr, 2020
6.0.0.Alpha4	Central	0	Dec, 2019
6.0.0.Alpha3	Central	0	Nov, 2019
6.0.0.Alpha2	Central	0	Apr, 2019
5.4.14.Final	Central	34	Apr, 2020
5.4.13.Final	Central	42	Mar, 2020
5.4.12.Final	Central	77	Feb, 2020
5.4.11.Final	Central	28	Feb, 2020
5.4.10.Final	Central	462	Dec, 2019
5.4.9.Final	Central	417	Nov, 2019

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02nd May | 6pm Onwards

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mvnrepository.com

HTML meta tag | YouTube | maven - ERROR Source option... | mvn eclipse:eclipse command -... | Blackboard Learn | Bb Collaborate - BT-CSE-Spz... | Maven Repository: org.hibernate...

MVNREPOSITORY

Search for groups, artifacts, categories | Search | Categories | Popular | Contact Us

Indexed Artifacts (17.0M)

Hibernate Core Relocation » 5.4.14.Final

Hibernate ORM 6.0.0.Alpha5 release. See <http://hibernate.org/orm/releases/6.0>

License: LGPL 2.1

Categories: Object/Relational Mapping

Organization: Hibernate.org

HomePage: <http://hibernate.org/orm>

Date: (Apr 06, 2020)

Files: jar (6.9 MB) View All

Repositories: Central

Used By: 3,174 artifacts

Note: There is a new version for this artifact

New Version: 6.0.0.Alpha5

Maven | **Gradle** | **SBT** | **Ivy** | **Graal** | **Leiningen** | **Builder**

```
<!-- https://mvnrepository.com/artifact/org.hibernate/hibernate-core -->
<dependency>
    <groupId>org.hibernate</groupId>
    <artifactId>hibernate-core</artifactId>
    <version>5.4.14.Final</version>
</dependency>
```

Include comment with link to declaration

Copied to clipboard!

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Eclipse File Edit Source Refactor Navigate Search Project Run Design Window Help

eclipse-workspace - Maven_repositories/pom.xml - Eclipse IDE

Package Explorer

- java swing
- javabuild
- jbossproject
- jdbctutorial
- jenkins_gif
- jspanjdbconnected
- jspristone
- lab_2020
- lab1_BRM
- Lab2020
- lab4_BRM
- Maven_repositories
- src/main/java
- src/main/resources
- src/test/java
- src/test/resources
- JRE System Library [J2SE-1.5]
- Maven Dependencies
- hibernate-core-5.4.14.Final.jar - /Users/pyushvishnoi/m2/repository/org/hibernate/
- boss-logging-3.3.2.Final.jar - /Users/pyushvishnoi/m2/repository/org/boss/logging/
- javax-persistence-api-2.2.jar - /Users/pyushvishnoi/m2/repository/org/javax/persistence/
- javassist-3.24.0-GA.jar - /Users/pyushvishnoi/m2/repository/org/javassist/javassist/
- byte-buddy-1.10.7.jar - /Users/pyushvishnoi/m2/repository/net/bytebuddy/byte-bu
- antlr-2.7.7.jar - /Users/pyushvishnoi/m2/repository/antlr/antlr/2.7.7
- boss-transaction-apl-1.2_spec-1.1.1.Final.jar - /Users/pyushvishnoi/m2/repository/
- jandex-2.1.1.Final.jar - /Users/pyushvishnoi/m2/repository/org/boss/jandex/2.1.1.Fi
- classmate-1.5.1.jar - /Users/pyushvishnoi/m2/repository/com/fasterxml/jackson/classmate/1
- javax.activation-api-1.2.0.jar - /Users/pyushvishnoi/m2/repository/java/activation/j
- dom4j-2.1.1.jar - /Users/pyushvishnoi/m2/repository/org/dom4j/dom4j/2.1.1
- hibernate-commons-annotations-5.1.0.Final.jar - /Users/pyushvishnoi/m2/repositor
- jaxb-api-2.3.1.jar - /Users/pyushvishnoi/m2/repository/javax/xml/bind/jaxb-api/2.3.1
- jaxb-runtime-2.3.1.jar - /Users/pyushvishnoi/m2/repository/org/glassfish/jaxb/jaxb-r
- txw2-2.3.1.jar - /Users/pyushvishnoi/m2/repository/org/glassfish/jaxb/txw2/2.3.1
- istack-commons-runtime-3.0.7.jar - /Users/pyushvishnoi/m2/repository/com/sun/st
- stax-ex-1.8.jar - /Users/pyushvishnoi/m2/repository/org/w3c/stax/stax-ex/1.8
- FastInfoSet-1.2.15.jar - /Users/pyushvishnoi/m2/repository/com/sun/xml/fastinfoset
- src
- target
- myservlet1
- mvservleterandhost

Maven_repositories/pom.xml

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>upes_devops_maven</groupId>
  <artifactId>Maven_repositories</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <name>centralandremoterepo</name>
  <dependencies>
    <dependency>
      <groupId>org.hibernate</groupId>
      <artifactId>hibernate-core</artifactId>
      <version>5.4.14.Final</version>
    </dependency>
  </dependencies>
</project>
```

Overview Dependencies Dependency Hierarchy Effective POM pom.xml

Problems Javadoc Declaration Console

No consoles to display at this time.

2. Add Remote Repository (Atlassian Mail)

HTML meta tag YouTube maven - ERROR Source option... mvn eclipse:eclipse command ... Blackboard Learn Bb Collaborate - BT-CSE-Spz... Maven Repository: com.atlassian...

MVNREPOSITORY

Search for groups, artifacts, categories Search Categories | Popular | Contact Us

Indexed Artifacts (17.0M)



Atlassian Mail

Atlassian Mail is a generic mail sending component used by Atlassian applications.

License: BSD
Tags: mail
Used By: 48 artifacts

Popular Categories

- Aspect Oriented
- Actor Frameworks
- 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

Home » com.atlassian.mail » atlassian-mail

AtlassianPkgs (4) Atlassian (119) Spring Plugins (2)

	Version	Repository	Usages	Date
5.0.x	5.0.0-836f6142	AtlassianPkgs	2	Sep, 2018
5.0.x	5.0.0-2fd6cf8b	AtlassianPkgs	1	Oct, 2018
2.8.x	5.0.0	AtlassianPkgs	9	Dec, 2018
2.8.x	2.8.8	AtlassianPkgs	0	Mar, 2020

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The screenshot shows the mvnrepository.com website interface. The top navigation bar includes links for HTML meta tag, YouTube, maven - ERROR Source option..., mvn eclipse/eclipse command - ..., Blackboard Learn, Bb Collaborate - BT-CSE-Spz..., and Maven Repository: com.atlassian... . Below the navigation is a search bar with placeholder text "Search for groups, artifacts, categories" and a "Search" button.

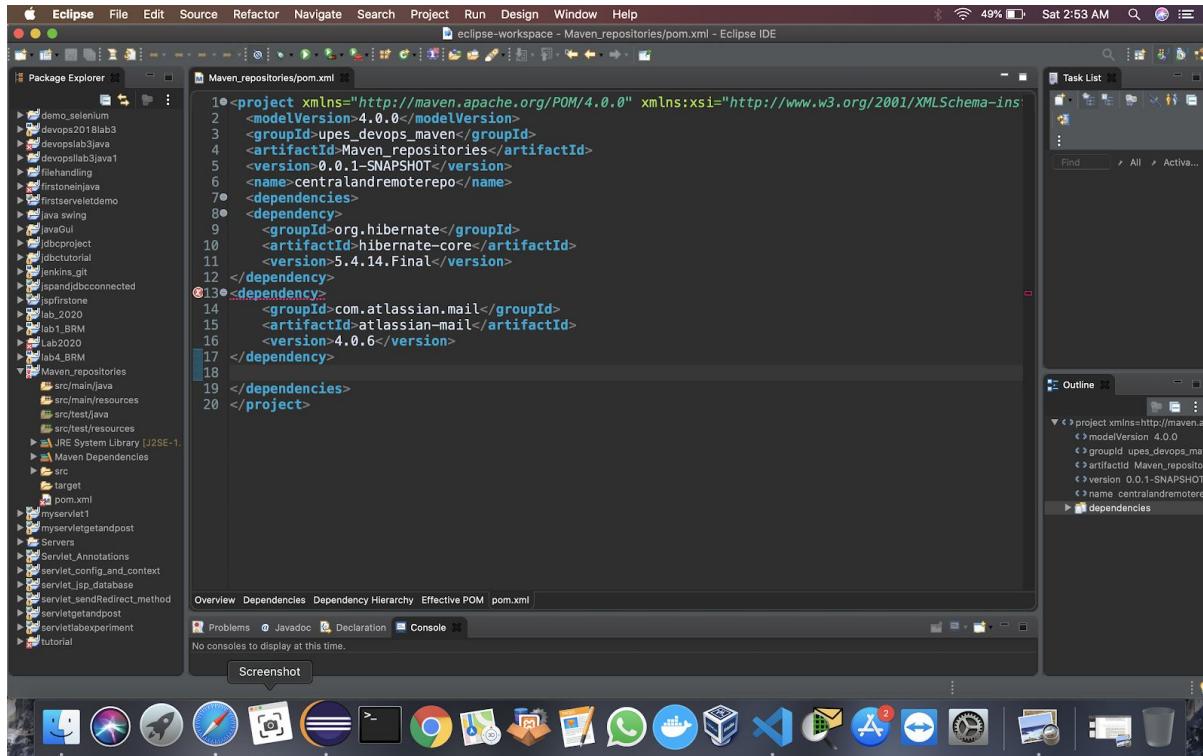
The main content area displays the "Indexed Artifacts (17.0M)" section, featuring a chart showing the growth of projects indexed from 2008 to 2018. A sidebar on the left lists "Popular Categories" such as Aspect Oriented, Actor Frameworks, Application Metrics, Built Tools, Bytecode Libraries, Command 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, and JDBC Pools.

The central part of the page is focused on the "Atlassian Mail > 4.0.6" artifact. It provides details like License (BSD), HomePage (http://docs.atlassian.com/atlassian-mail/4.0.6), Date (May 24, 2018), Files (jar (101 KB)), Repositories (Atlassian), and Used By (48 artifacts). A note indicates a new version (5.0.2) is available. Below this, dependency declarations for various build tools are shown, along with a checkbox for including comments and a link to the declaration.

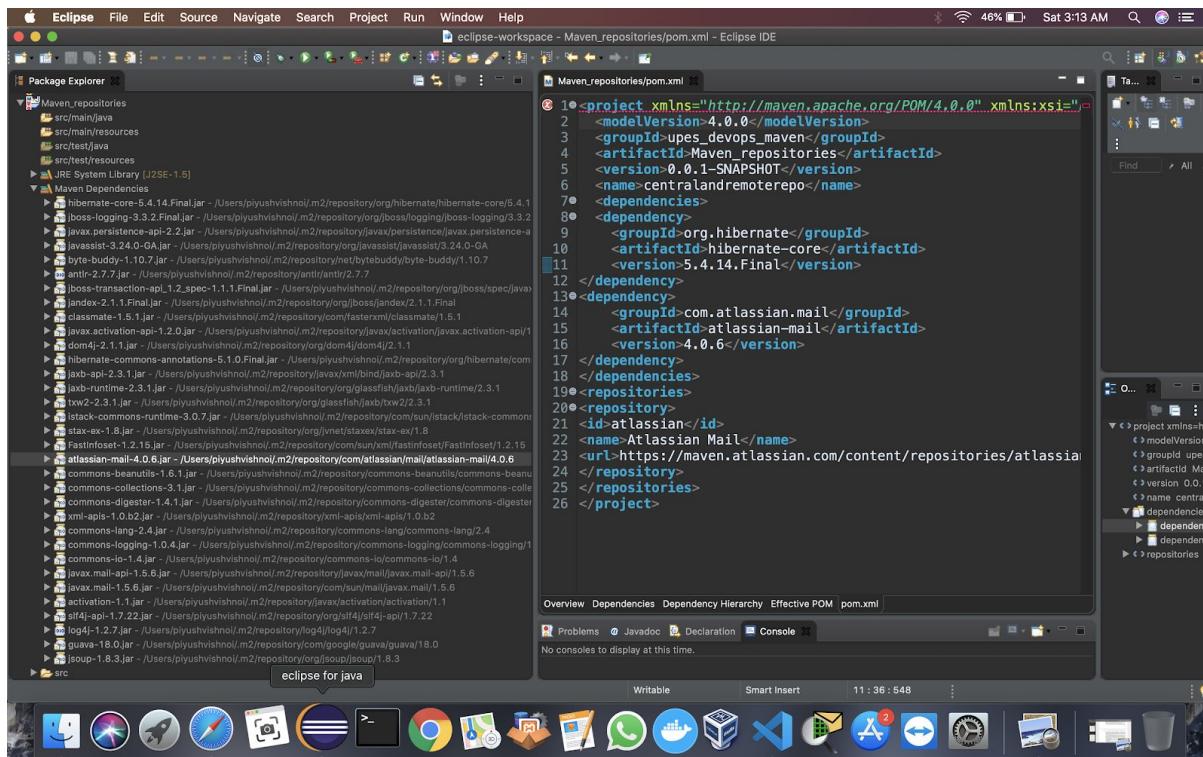
A note at the bottom states: "Note: this artifact is located at [Atlassian](#) repository (<https://maven.atlassian.com/content/repositories/atlassian-public/>)". There is also a "Copied to clipboard!" message.

To the right, there is an advertisement for "CODING MASTERS" featuring Python and Data Science/Machine Learning, with a "Get started with PYTHON" heading and a "Enquire Now" button. The bottom of the screen shows a Mac OS X dock with various application icons.

error:



Solution:



A screenshot of a web browser window. The address bar shows the URL packages.atlassian.com. The page title is "Index of maven-public/". Below the title is a table with three columns: "Name", "Last modified", and "Size". There are two entries: "com/" and "io/". Both entries have a timestamp of "25-Mar-2019 05:54" and a size of "-". At the bottom of the page, a footer message reads "Artifactory/6.19.1 Server at packages.atlassian.com Port 80".

Name	Last modified	Size
com/	25-Mar-2019 05:54	-
io/	01-Apr-2019 07:42	-

A screenshot of a web browser window. The address bar shows the URL packages.atlassian.com. The page title is "Index of maven-public/com". Below the title is a table with three columns: "Name", "Last modified", and "Size". There is one entry: "atlassian/". It has a timestamp of "25-Mar-2019 05:54" and a size of "-". At the bottom of the page, a footer message reads "Artifactory/6.19.1 Server at packages.atlassian.com Port 80".

Name	Last modified	Size
atlassian/	25-Mar-2019 05:54	-

Jar files in remote repo:

Name	Last modified	Size
...		
2.8.6/	01-Apr-2019 06:15	-
2.8.7/	01-Apr-2019 06:15	-
2.8.8/	25-Mar-2020 15:35	-
2.8.9/	02-Apr-2020 08:06	-
2.9.0/	01-Apr-2019 06:15	-
2.9.1/	01-Apr-2019 06:15	-
2.9.2/	01-Apr-2019 06:15	-
2.9.3/	01-May-2019 06:12	-
3.0.0/	01-Apr-2019 06:15	-
3.0.9/	01-Apr-2019 06:15	-
4.0.5/	01-Apr-2019 06:15	-
4.0.6/	01-Apr-2019 06:15	-
5.0.0/	01-Apr-2019 06:15	-
5.0.0-2fd6cf8b/	19-Apr-2019 01:34	-
5.0.0-836f6142/	19-Apr-2019 01:34	-
5.0.1/	01-Apr-2019 06:15	-
5.0.2/	07-Apr-2020 11:56	-
5.0.2-caf6680/	18-Mar-2020 08:58	-
maven-metadata.xml	07-Apr-2020 11:56	964 bytes

Artifactory/6.19.1 Server at packages.atlassian.com Port 80

Lab Experiment - 6

Aim: Create a simple Maven Project using CLI.

```
piyushvishnoi@Piyushs-MBP lab6 % mvn archetype:generate -DgroupId=com.mycompany.app -DartifactId=my-app -DarchetypeArtifactId=maven-archetype-quickstart -DarchetypeVersion=1.4 -DinteractiveMode=false
[INFO] Scanning for projects...
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.3/maven-antrun-plugin-1.3.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.3/maven-antrun-plugin-1.3.jar (24 kB at 10 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/2.2-beta-5/maven-assembly-plugin-2.2-beta-5.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-assembly-plugin/2.2-beta-5/maven-assembly-plugin-2.2-beta-5.jar (209 kB at 165 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/2.8/maven-dependency-plugin-2.8.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-dependency-plugin/2.8/maven-dependency-plugin-2.8.jar (153 kB at 123 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/2.5.3/maven-release-plugin-2.5.3.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-release-plugin/2.5.3/maven-release-plugin-2.5.3.jar (53 kB at 84 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/maven-metadata.xml
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-metadata.xml
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/mojo/maven-metadata.xml (20 kB at 33 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-metadata.xml (14 kB at 9.1 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype-plugin/maven-metadata.xml
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/maven-metadata.xml (918 B at 1.5 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/3.1.2/maven-archetype-plugin-3.1.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-archetype-plugin/3.1.2/maven-archetype-plugin-3.1.2.pom (11 kB at 18 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype/3.1.2/maven-archetype-3.1.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetype/maven-archetype/3.1.2/maven-archetype-3.1.2.pom (12 kB at 20 kB/s)
```

```
piyushvishnoi@Piyushs-MBP lab6 % ls
my-app
piyushvishnoi@Piyushs-MBP lab6 % cd my-app
piyushvishnoi@Piyushs-MBP my-app % ls
pom.xml src
piyushvishnoi@Piyushs-MBP my-app % cat pom.xml
<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com.mycompany.app</groupId>
  <artifactId>my-app</artifactId>
  <version>1.0-SNAPSHOT</version>

  <name>my-app</name>
  <!-- FIXME change it to the project's website -->
  <url>http://www.example.com</url>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.compiler.source>1.7</maven.compiler.source>
    <maven.compiler.target>1.7</maven.compiler.target>
  </properties>

  <dependencies>
    <dependency>
      <groupId>junit</groupId>
      <artifactId>junit</artifactId>
      <version>4.11</version>
      <scope>test</scope>
    </dependency>
  </dependencies>
```

Screenshot

```
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-junit4/2.22.1/surefir
e-junit4-2.22.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-junit4/2.22.1/surefire
-junit4-2.22.1.jar (85 kB at 108 kB/s)
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running com.mycompany.app.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.034 s - in com.mycompany.app.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-jar-plugin:3.0.2:jar (default-jar) @ my-app ---
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/3.0.1/maven-s
hared-utils-3.0.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/3.0.1/maven-sh
ared-utils-3.0.1.jar (154 kB at 131 kB/s)
[INFO] Building jar: /Users/piyushvishnoi/lab6/my-app/target/my-app-1.0-SNAPSHOT.jar
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO]
[INFO] -----
[INFO] Total time: 34.587 s
[INFO] Finished at: 2020-04-01T11:05:44+05:30
[INFO]
piyushvishnoi@Piyushs-MBP my-app % ls
pom.xml src target
piyushvishnoi@Piyushs-MBP my-app % cd src
piyushvishnoi@Piyushs-MBP src % ls
main test
piyushvishnoi@Piyushs-MBP src % cd main
piyushvishnoi@Piyushs-MBP main % ls
java
piyushvishnoi@Piyushs-MBP main % cd ..
```

```
piyushvishnoi@Piyushs-MBP src % cd main
piyushvishnoi@Piyushs-MBP main % ls
java
piyushvishnoi@Piyushs-MBP main % cd ..
piyushvishnoi@Piyushs-MBP src % cd ..
piyushvishnoi@Piyushs-MBP my-app % ls
pom.xml src target
piyushvishnoi@Piyushs-MBP my-app % cd target
piyushvishnoi@Piyushs-MBP target % ls
classes maven-status
generated-sources my-app-1.0-SNAPSHOT.jar
generated-test-sources surefire-reports
maven-archiver test-classes
```

```
piyushvishnoi@Piyushs-MBP my-app % java -cp target/my-app-1.0-SNAPSHOT.jar com.mycompany.app.App
Hello World!
piyushvishnoi@Piyushs-MBP my-app % mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany.app:my-app >-----
[INFO] Building my-app 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.1.0/maven-clean-plugin-3.1.0.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.1.0/maven-clean-plugin-3.1.0.pom (5.2 kB at 2.8 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.1.0/maven-clean-plugin-3.1.0.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.1.0/maven-clean-plugin-3.1.0.jar (30 kB at 32 kB/s)
[INFO]
[INFO] --- maven-clean-plugin:3.1.0:clean (default-clean) @ my-app ---
[INFO] Deleting /Users/piyushvishnoi/lab6/my-app/target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 3.477 s
[INFO] Finished at: 2020-04-01T11:09:36+05:30
[INFO]
```

```
piyushvishnoi@Piyushs-MBP my-app % mvn site
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany.app:my-app >-----
[INFO] Building my-app 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-site-plugin:3.7.1:site (default-site) @ my-app ---
[INFO] configuring report plugin org.apache.maven.plugins:maven-project-info-reports-plugin:3.0.0
[INFO] 15 reports detected for maven-project-info-reports-plugin:3.0.0: ci-management, dependencies, dependency-info, dependency-management, distribution-management, index, issue-management, licenses, mailing-lists, modules, plugin-management, plugins, scm, summary, team
[INFO] Rendering site with default locale English (en)
[INFO] Relativizing decoration links with respect to localized project URL: http://www.example.com
[INFO] Rendering content with org.apache.maven.skins:maven-default-skin:jar:1.2 skin.
[INFO] Generating "Dependencies" report --- maven-project-info-reports-plugin:3.0.0:dependencies
[INFO] Generating "Dependency Information" report --- maven-project-info-reports-plugin:3.0.0:dependency-info
[INFO] Generating "About" report --- maven-project-info-reports-plugin:3.0.0:index
[INFO] Generating "Plugin Management" report --- maven-project-info-reports-plugin:3.0.0:plugin-management
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/2.8.2/maven-deploy-plugin-2.8.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/2.8.2/maven-deploy-plugin-2.8.2.pom (7.1 kB at 3.8 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/25/maven-plugins-25.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/25/maven-plugins-25.pom (9.6 kB at 16 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/2.5.2/maven-install-plugin-2.5.2.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/2.5.2/maven-install-plugin-2.5.2.pom (6.4 kB at 10 kB/s)
[INFO] Generating "Plugins" report --- maven-project-info-reports-plugin:3.0.0:plugins
[INFO] Generating "Summary" report --- maven-project-info-reports-plugin:3.0.0:summary
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 6.459 s
```

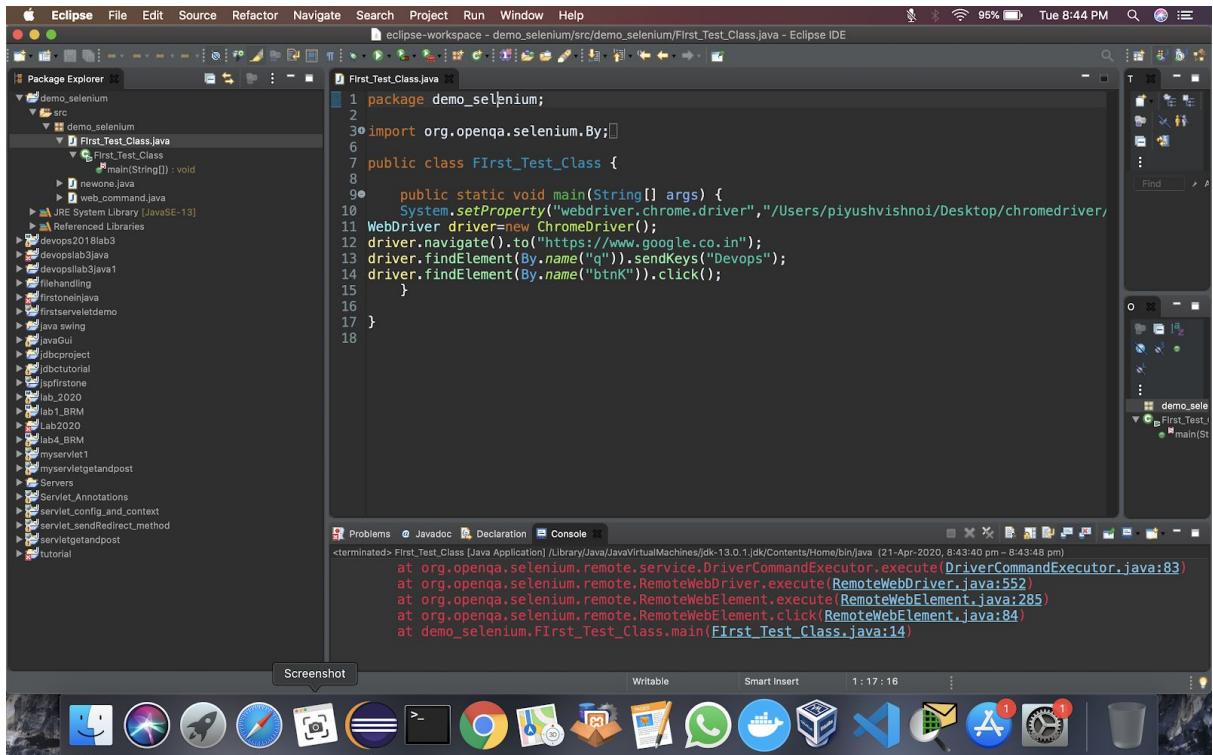
```
piyushvishnoi@Piyushs-MBP my-app % ls
pom.xml  src      target
piyushvishnoi@Piyushs-MBP my-app % cd target
piyushvishnoi@Piyushs-MBP target % ls
site
piyushvishnoi@Piyushs-MBP target % cd site
piyushvishnoi@Piyushs-MBP site % ls
css          plugin-management.html
dependencies.html  plugins.html
dependency-info.html  project-info.html
images        summary.html
index.html
piyushvishnoi@Piyushs-MBP site %
```

Lab Experiment - 7

Aim: Selenium IDE

Perform Automation testing using Selenium IDE for testing a web page.

1. First Testing using selenium



```
1 package demo_selenium;
2
3 import org.openqa.selenium.By;
4
5 public class FIrst_Test_Class {
6
7     public static void main(String[] args) {
8         System.setProperty("webdriver.chrome.driver","/Users/piyushvishnoi/Desktop/chromedriver");
9         WebDriver driver=new ChromeDriver();
10        driver.navigate().to("https://www.google.co.in");
11        driver.findElement(By.name('q')).sendKeys("Devops");
12        driver.findElement(By.name("btnK")).click();
13    }
14
15 }
16
17 }
```

Console output:

```
<terminated> First_Test_Class [Java Application] [/Library/Java/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java] (21-Apr-2020, 8:43:40 pm – 8:43:48 pm)
at org.openqa.selenium.remote.service.DriverCommandExecutor.execute(DriverCommandExecutor.java:83)
at org.openqa.selenium.remote.RemoteWebDriver.execute(RemoteWebDriver.java:552)
at org.openqa.selenium.remote.RemoteWebElement.execute(RemoteWebElement.java:285)
at org.openqa.selenium.remote.RemoteWebElement.click(RemoteWebElement.java:84)
at demo_selenium.FIrst_Test_Class.main(First_Test_Class.java:14)
```

← → C google.co.in/search?source=hp&ei=uQ2fXpqYM7W-3LUP6dSjgAE&q=Devops&oq=Devops&gs_lcp=CgZwc3ktYWIQAzICCAyAg... ⚡ ☆ C ⚡

Chrome is being controlled by automated test software.

Google Devops

All News Images Books Videos More Settings Tools

About 6,85,00,000 results (0.62 seconds)

DevOps

DevOps is a set of practices that combines software development and information-technology operations which aims to shorten the systems development life cycle and provide continuous delivery with high software quality. [Wikipedia](#)

DevOps books

www.atlassian.com › devops ▾

What is DevOps? | Atlassian

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People also ask

2. Web commands

```

1 package demo_selenium;
2
3 import org.openqa.selenium.WebDriver;
4
5 public class web_command {
6
7     public static void main(String[] args) {
8         System.setProperty("webdriver.chrome.driver","/Users/piyushvishnoi/Desktop/cl
9         WebDriver driver=new ChromeDriver();
10        String url="https://www.google.co.in/";
11        driver.get(url);
12        String title=driver.getTitle();
13        int titlelength=driver.getTitle().length();
14        System.out.println("title of page is: "+title);
15        System.out.println("title length is: "+titlelength);
16        String actualurl=driver.getCurrentUrl();
17        if(actualurl.equals("https://www.google.co.in/"))
18        {
19            System.out.println("Correct url got opened");
20        }
21        else {
22            System.out.println("Correct url not opened");
23        }
24        String pagesource=driver.getPageSource();
25        int pagesourcelength=pagesource.length();
26        System.out.println("page source content contains "+pagesourcelength+" no of words");
27        driver.close();
28    }
29}
30
31}
32

```

```

Problems Javadoc Declaration Console
<terminated> web_command [Java Application] /Library/Java/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java (21-Apr-2020, 8:49:07 pm - 8:49:12 pm)
Starting ChromeDriver 81.0.4044.69 (6813546031a4bc83f717a2ef7cd4ac6ec1199132-refs/branch-heads/4044@{#776})
Only local connections are allowed.
Please protect ports used by ChromeDriver and related test frameworks to prevent access by
Apr 21, 2020 8:49:09 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C
[1587482350.379][SEVERE]: Timed out receiving message from renderer: 0.100
[1587482350.520][SEVERE]: Timed out receiving message from renderer: 0.100
[1587482350.827][SEVERE]: Timed out receiving message from renderer: 0.100
[1587482350.993][SEVERE]: Timed out receiving message from renderer: 0.100
[1587482351.148][SEVERE]: Timed out receiving message from renderer: 0.100
[1587482351.249][SEVERE]: Timed out receiving message from renderer: 0.100
[1587482351.353][SEVERE]: Timed out receiving message from renderer: 0.100
[1587482351.455][SEVERE]: Timed out receiving message from renderer: 0.100
[1587482351.557][SEVERE]: Timed out receiving message from renderer: 0.100
[1587482351.659][SEVERE]: Timed out receiving message from renderer: 0.100
title of page is: Google
title length is: 6
Correct url got opened
page source content conatins 211104 no of words

```

3. Radio Button Testing

```

Package Explorer First Test_Class.java newone.java
1 package demo_selenium;
2
3 import org.openqa.selenium.By;
4
5 public class newone {
6
7     public static void main(String[] args) {
8         System.setProperty("webdriver.chrome.driver","/Users/piyushvishnoi/Desktop/chromedriver");
9         WebDriver driver=new ChromeDriver();
10        driver.get("file:///Users/piyushvishnoi/Desktop/jsexercisefiles/radio.html");
11        driver.findElement(By.xpath("//input[@value='orange']")).click();
12    }
13
14 }
15
16
17 }
18

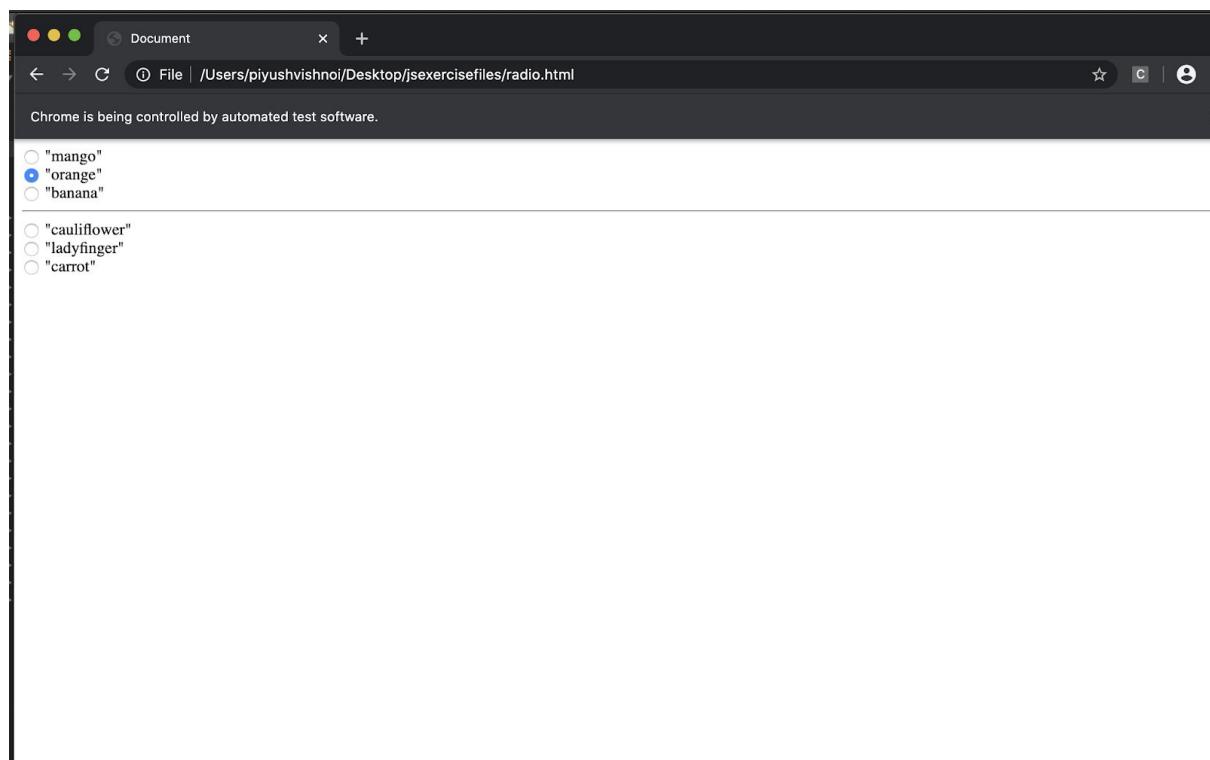
eclipse for java

```

```

Problems Javadoc Declaration Console
<terminated> newone [Java Application] /Library/Java/JavaVirtualMachines/jdk-13.0.1.jdk/Contents/Home/bin/java (21-Apr-2020, 8:46:49 pm - 8:46:52 pm)
Starting ChromeDriver 81.0.4044.69 (6813546031a4bc83f717a2ef7cd4ac6ec1199132-refs/branch-heads/4044@{#776})
Only local connections are allowed.
Please protect ports used by ChromeDriver and related test frameworks to prevent access by malicious code.
Apr 21, 2020 8:46:51 PM org.openqa.selenium.remote.ProtocolHandshake createSession
INFO: Detected dialect: W3C

```



Lab Experiment - 8

Aim: Selenium WebDriver

Perform Automation testing using Selenium Web Driver for testing a web page.

Recorded test:

The screenshot shows the Selenium IDE interface on a Mac OS X desktop. The window title is "Selenium IDE - re*". The main area displays a recorded test case named "recordedtestcase*". The test steps are listed in a table:

Command	Target	Value
1 open	/	
2 set window size	1440x797	
3 click	name=q	
4 type	name=q	github
5 click	css=#tsf > div:nth-child(2)	
6 click	css=center:nth-child(1) > .gNO89b	
7 close		

Below the table are input fields for "Command", "Target", "Value", and "Description". At the bottom, there are tabs for "Log" and "Reference", and a "Screenshot" button. The log section shows the execution details:

Log	Reference	Date
2. setWindowSize on 1440x797 OK		02:00:01
3. click on name=q OK		02:00:02
4. type on name=q with value github OK		02:00:04
5. click on css=#tsf > div:nth-child(2) OK		02:00:05
6. click on css=center:nth-child(1) > .gNO89b OK		02:00:07
7. close OK		02:00:08

The message "'recordedtestcase' completed successfully" is displayed at the bottom of the log.

Written test :

Selenium IDE - test.selenium*

Project: test.selenium*

Tests + D E o e o

Search tests... Q

written_testcase*

Command	Target	Value
1 open	/	
2 click	name=q	
3 type	name=q	github
4 click	name=bttnK	

Command: open # []

Target: / [] S

Value: []

Description: []

Log Reference

Running 'Untitled'

1. open on / OK 02:23:21
2. click on name=q OK 02:23:21
3. type on name=q with value github OK 02:23:22
4. Trying to find name=bttnK... OK 02:23:22
'Untitled' completed successfully 02:23:22

Screenshot

Selenium IDE - test.selenium*

Project: test.selenium*

Tests + D E o e o

Search tests... Q

written_testcase*

Command	Target	Value
1 open	/	
2 click	name=q	
3 type	name=q	github
4 click	name=bttnK	

Command: click # []

Target: name=q [] S

Value: []

Description: []

Log Reference

Running 'Untitled'

1. open on / OK 02:23:21
2. click on name=q OK 02:23:21
3. type on name=q with value github OK 02:23:22
4. Trying to find name=bttnK... OK 02:23:22
'Untitled' completed successfully 02:23:22

Screenshot

Selenium IDE - test.selenium*

Project: test.selenium*

Tests + https://www.google.co.in

Command	Target	Value
1 open	/	
2 click	name=q	
3 type	name=q	github
4 click	name=btnK	

Command: type
Target: name=q
Value: github
Description:

Log Reference

Running 'Untitled'
1. open on / OK 02:23:21
2. click on name=q OK 02:23:21
3. type on name=q with value github OK 02:23:22
4. Trying to find name=btnK... OK 02:23:22
'Untitled' completed successfully 02:23:22

Screenshot



Selenium IDE - test.selenium*

Project: test.selenium*

Tests + https://www.google.co.in

Command	Target	Value
1 open	/	
2 click	name=q	
3 type	name=q	github
4 click	name=btnK	

Command: click
Target: name=btnK
Value:
Description:

Log Reference

Running 'Untitled'
1. open on / OK 02:23:21
2. click on name=q OK 02:23:21
3. type on name=q with value github OK 02:23:22
4. Trying to find name=btnK... OK 02:23:22
'Untitled' completed successfully 02:23:22

Screenshot



Lab Experiment - 9

Aim: Build Profile using Maven

Single Profile Activation:

```
piyushvishnoi@Piyushs-MBP Desktop % cd mavenprofile
piyushvishnoi@Piyushs-MBP mavenprofile % mvn archetype:generate -DgroupId=com.mycompany.app -DartifactId=my-app -DarchetypeArtifactId=maven-archetype-quickstart -DarchetypeVersion=1.4 -DinteractiveMode=false
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.apache.maven:standalone-pom >-----
[INFO] Building Maven Stub Project (No POM) 1
[INFO] [ pom ]
[INFO]
[INFO] >>> maven-archetype-plugin:3.1.2:generate (default-cli) > generate-sources @ standalone-pom >>>
[INFO]
[INFO] <<< maven-archetype-plugin:3.1.2:generate (default-cli) < generate-sources @ standalone-pom <<<
[INFO]
[INFO]
[INFO] --- maven-archetype-plugin:3.1.2:generate (default-cli) @ standalone-pom ---
[INFO] Generating project in Batch mode
[INFO] No archetype defined. Using maven-archetype-quickstart (org.apache.maven.archetypes:maven-archetype-quickstart:1.4)
[INFO]
[INFO] Using following parameters for creating project from Archetype: maven-archetype-quickstart:1.4
[INFO]
[INFO] Parameter: groupId, Value: com.mycompany.app
[INFO] Parameter: artifactId, Value: my-app
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Parameter: package, Value: com.mycompany.app
[INFO] Parameter: packageInPathFormat, Value: com/mycompany/app
[INFO] Parameter: package, Value: com.mycompany.app
[INFO] Parameter: groupId, Value: com.mycompany.app
[INFO] Parameter: artifactId, Value: my-app
[INFO] Parameter: version, Value: 1.0-SNAPSHOT
[INFO] Project created from Archetype in dir: /Users/piyushvishnoi/Desktop/mavenprofile/my-app
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 16.545 s Screenshot
[INFO]
```



```
piyushvishnoi@Piyushs-MBP my-app % mvn test
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany.app:my-app >-----
[INFO] Building my-app 1.0-SNAPSHOT
[INFO] [ jar ]
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ my-app ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ my-app ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to /Users/piyushvishnoi/Desktop/mavenprofile/my-app/target/classes
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:testResources (default-testResources) @ my-app ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ my-app ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to /Users/piyushvishnoi/Desktop/mavenprofile/my-app/target/test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ my-app ---
[INFO]
[INFO]
[INFO] T E S T S
[INFO]
[INFO] Running com.mycompany.app.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.042 s - in com.mycompany.app.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] BUILD SUCCESS Screenshot
[INFO]
```

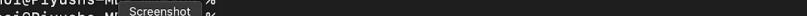


```
file.txt      java
piyushvishnoi@Piyushs-MBP my-app % mvn test -Ptest
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany.app:my-app >-----
[INFO] Building my-app 1.0-SNAPSHOT
[INFO] ----- [ jar ] -----
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.pom (1.2 kB at 372 B/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugin-parent/2.0.1/maven-plugin-parent-2.0.1.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugin-parent/2.0.1/maven-plugin-parent-2.0.1.pom (7.4 kB at 12 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-antrun-plugin/1.1/maven-antrun-plugin-1.1.jar (12 kB at 20 kB/s)
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ my-app ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ my-app ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:testResources (default-testResources) @ my-app ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ my-app ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ my-app ---
[INFO]
[INFO] ----- Screenshot -----
```

```
[IN] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/2.0.1/maven-model-2.0.1.jar
[IN] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-profile/2.0.1/maven-profile-2.0.1.jar
[IN] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact-manager/2.0.1/maven-artifact-manage-r-2.0.1.jar
[IN] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-repository-metadata/2.0.1/maven-repository-metadat-2.0.1.jar
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-model/2.0.1/maven-model-2.0.1.jar (80 kB at 9 kB/s)
[IN] Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.0.5/plexus-utils-1.0.5.jar
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-profile/2.0.1/maven-profile-2.0.1.jar (30 kB at 29 kB/s)
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-repository-metadata/2.0.1/maven-repository-me-tadata-2.0.1.jar (20 kB at 19 kB/s)
[IN] Downloading from central: https://repo.maven.apache.org/maven2/ant/ant-launcher/1.6.5/ant-launcher-1.6.5.jar
[IN] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact/2.0.1/maven-artifact-2.0.1.jar
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact-manager/2.0.1/maven-artifact-manag-2.0.1.jar (49 kB at 40 kB/s)
[IN] Downloading from central: https://repo.maven.apache.org/maven2/ant/ant/1.6.5/ant-1.6.5.jar
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-project/2.0.1/maven-project-2.0.1.jar (105 kB at 76 kB/s)
[IN] Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.1/maven-plugin-api-2.0.1.jar
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/ant/ant-launcher/1.6.5/ant-launcher-1.6.5.jar (9.2 kB at 6.3 kB/s)
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/1.0.5/plexus-utils-1.0.5.jar (169 kB at 110 kB/s)
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-artifact/2.0.1/maven-artifact-2.0.1.jar (78 kB at 48 kB/s)
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-plugin-api/2.0.1/maven-plugin-api-2.0.1.jar (8.2 kB at 4.5 kB/s)
[IN] Downloaded from central: https://repo.maven.apache.org/maven2/ant/ant/1.6.5/ant-1.6.5.jar (1.0 MB at 211 kB/s)
[INFO] Executing tasks
[INFO]   [echo] This is my first profile activation
[INFO]   [copy] Copying 1 file to /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/text
[INFO] Executed tasks
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] ----- Screenshot -----
```

```
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ my-app ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ my-app ---
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running com.mycompany.app.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.035 s - in com.mycompany.app.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-antrun-plugin:1.1:run (default) @ my-app ---
[INFO] Executing tasks
[echo] This is my first profile activation
[copy] Copying 1 file to /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/test
[INFO] Executed tasks
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.022 s
[INFO] Finished at: 2020-04-26T04:50:14+05:30
[INFO] -----
```

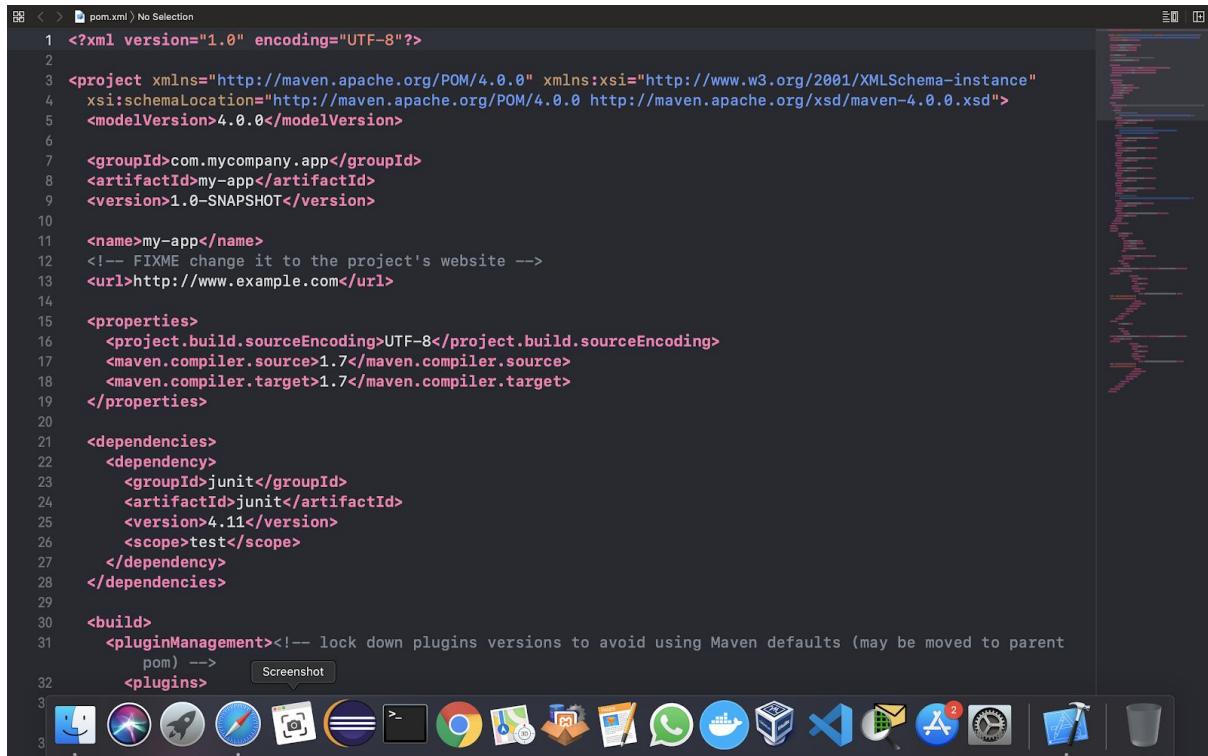
piyushvishnoi@Piyushs-MBP my-app % ls src/test/
file1.txt java
piyushvishnoi@Piyushs-MBP my-app %
piyushvishnoi@Piyushs-MBP mv-ann %
piyushvishnoi@Piyushs-MBP mv-ann %



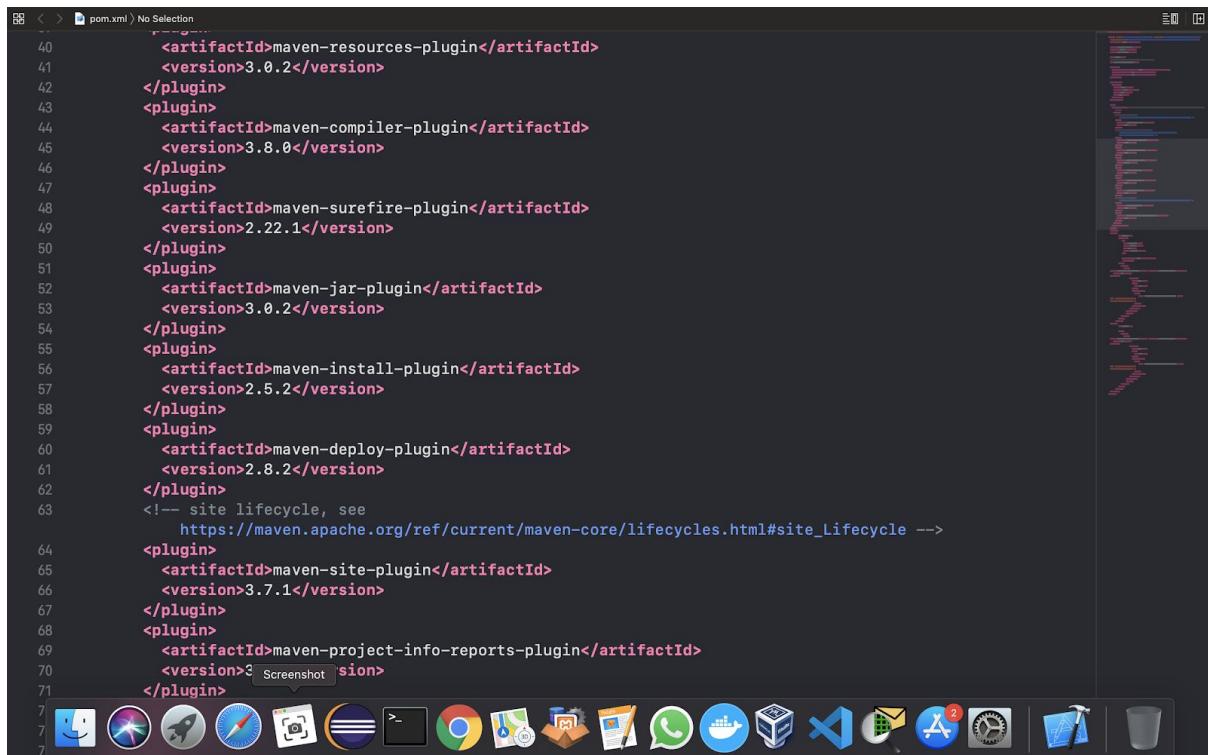
```
<profile>
    <pluginManagement>
        <artifactId>maven-project-info-reports-plugin</artifactId>
        <version>3.0.0</version>
    </plugin>
    </plugins>
</pluginManagement>
</build>
<profiles>
<profile>
    <id>profile1</id>
    <build>
        <plugins>
            <plugin>
<groupId>org.apache.maven.plugins</groupId> <artifactId>maven-antrun-plugin</artifactId>
            <version>1.1</version>
        <executions>
            <execution>
                <phase>test</phase>
                <goals>
                    <goal>run</goal>
                </goals>
                <configuration>
                    <tasks>
                        <echo> This is my first profile activation </echo>
<copy file="src/main/file.txt"
tofile="src/test/file1.txt" />
                    </tasks>
                </configuration>
            </execution>
        </executions>
    </plugin>
</profile>
</build>

```

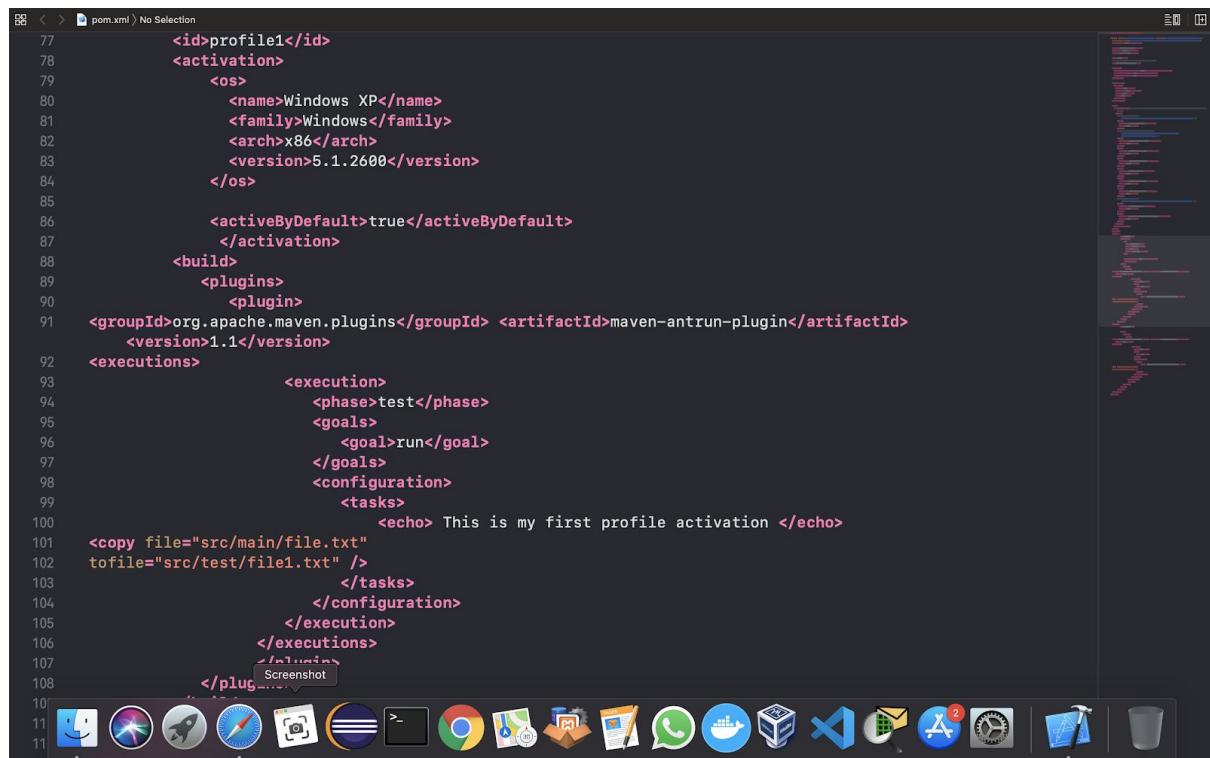
Multiple Profile Activation:



```
1 <?xml version="1.0" encoding="UTF-8"?>
2
3 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4   xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
5   <modelVersion>4.0.0</modelVersion>
6
7   <groupId>com.mycompany.app</groupId>
8   <artifactId>my-app</artifactId>
9   <version>1.0-SNAPSHOT</version>
10
11  <name>my-app</name>
12  <!-- FIXME change it to the project's website -->
13  <url>http://www.example.com</url>
14
15  <properties>
16    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
17    <maven.compiler.source>1.7</maven.compiler.source>
18    <maven.compiler.target>1.7</maven.compiler.target>
19  </properties>
20
21  <dependencies>
22    <dependency>
23      <groupId>junit</groupId>
24      <artifactId>junit</artifactId>
25      <version>4.11</version>
26      <scope>test</scope>
27    </dependency>
28  </dependencies>
29
30  <build>
31    <pluginManagement><!-- lock down plugins versions to avoid using Maven defaults (may be moved to parent
32          pom) -->
33    <plugins>
```

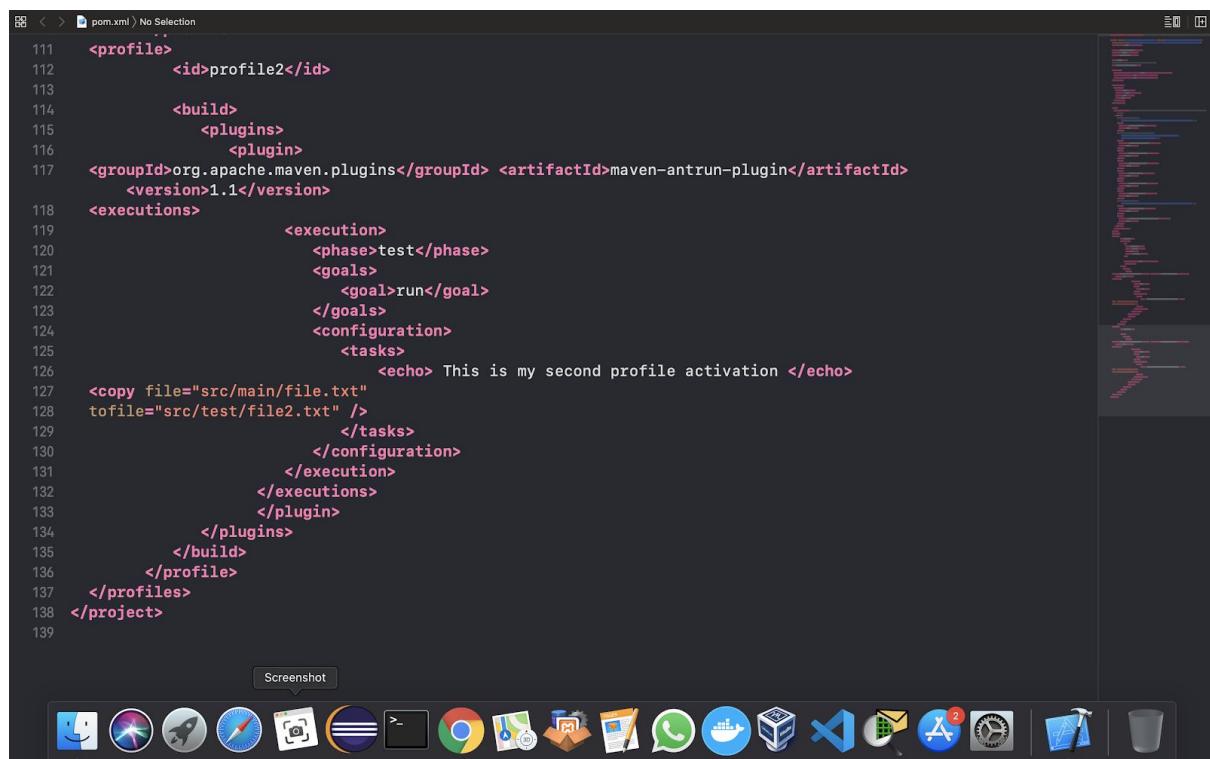


```
40      <artifactId>maven-resources-plugin</artifactId>
41      <version>3.0.2</version>
42    </plugin>
43    <plugin>
44      <artifactId>maven-compiler-plugin</artifactId>
45      <version>3.8.0</version>
46    </plugin>
47    <plugin>
48      <artifactId>maven-surefire-plugin</artifactId>
49      <version>2.22.1</version>
50    </plugin>
51    <plugin>
52      <artifactId>maven-jar-plugin</artifactId>
53      <version>3.0.2</version>
54    </plugin>
55    <plugin>
56      <artifactId>maven-install-plugin</artifactId>
57      <version>2.5.2</version>
58    </plugin>
59    <plugin>
60      <artifactId>maven-deploy-plugin</artifactId>
61      <version>2.8.2</version>
62    </plugin>
63    <!-- site lifecycle, see
64        https://maven.apache.org/ref/current/maven-core/lifecycles.html#site_Lifecycle -->
65    <plugin>
66      <artifactId>maven-site-plugin</artifactId>
67      <version>3.7.1</version>
68    </plugin>
69    <plugin>
70      <artifactId>maven-project-info-reports-plugin</artifactId>
71      <version>3
```



```
77      <id>profile1</id>
78      <activation>
79          <os>
80              <name>Windows XP</name>
81              <family>Windows</family>
82              <arch>x86</arch>
83              <version>5.1.2600</version>
84          </os>
85
86          <activeByDefault>true</activeByDefault>
87      </activation>
88      <build>
89          <plugins>
90              <plugin>
91                  <groupId>org.apache.maven.plugins</groupId> <artifactId>maven-antrun-plugin</artifactId>
92                  <version>1.1</version>
93              </plugin>
94          </plugins>
95      </build>
96      <executions>
97          <execution>
98              <phase>test</phase>
99              <goals>
100                 <goal>run</goal>
101             </goals>
102             <configuration>
103                 <tasks>
104                     <echo> This is my first profile activation </echo>
105                     <copy file="src/main/file.txt"
106                         tofile="src/test/file1.txt" />
107                     </tasks>
108                 </configuration>
109             </execution>
110         </executions>
111     </plugin>
112 </plugins>
113 </build>
114 </profile>
```

The screenshot shows a dark-themed code editor window with a vertical toolbar on the right containing numerous small icons. The main area displays XML code defining a Maven profile named 'profile1'. The code includes sections for activation based on OS, build plugins (specifically the maven-antrun-plugin), and executions. One execution involves copying a file from 'src/main' to 'src/test' under the 'test' phase. A tooltip labeled 'Screenshot' points to the bottom center of the code area.



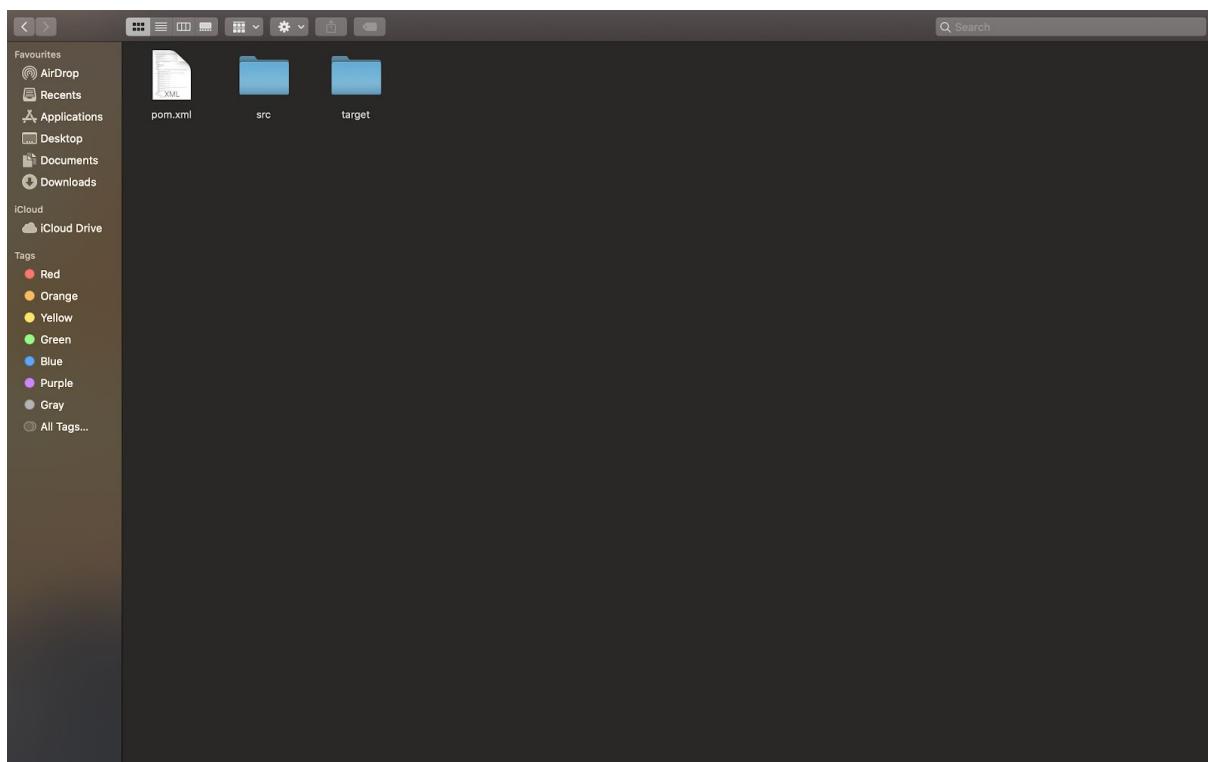
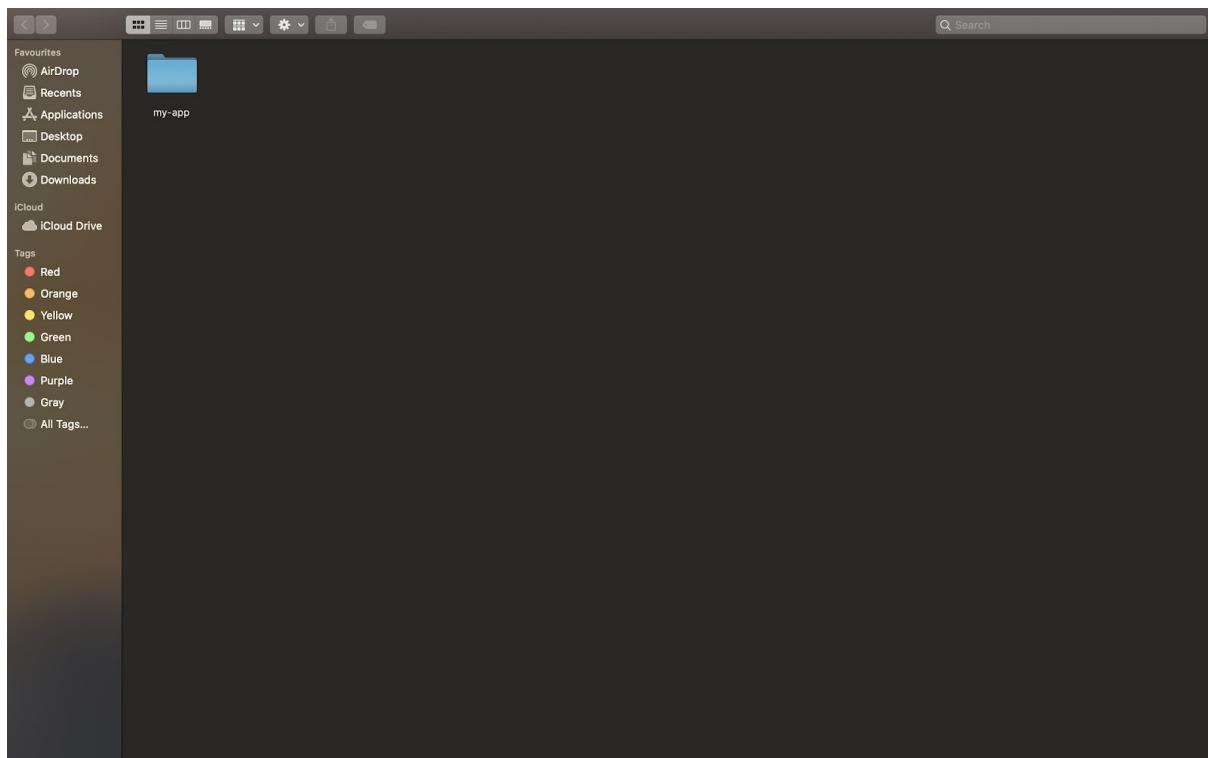
```
111  <profile>
112      <id>profile2</id>
113
114      <build>
115          <plugins>
116              <plugin>
117                  <groupId>org.apache.maven.plugins</groupId> <artifactId>maven-antrun-plugin</artifactId>
118                  <version>1.1</version>
119              </plugin>
120          </plugins>
121      </build>
122      <executions>
123          <execution>
124              <phase>test</phase>
125              <goals>
126                  <goal>run</goal>
127                  <configuration>
128                      <tasks>
129                          <echo> This is my second profile activation </echo>
130                          <copy file="src/main/file.txt"
131                              tofile="src/test/file2.txt" />
132                          </tasks>
133                      </configuration>
134                  </goals>
135              </execution>
136          </executions>
137      </plugin>
138  </profiles>
139 </project>
```

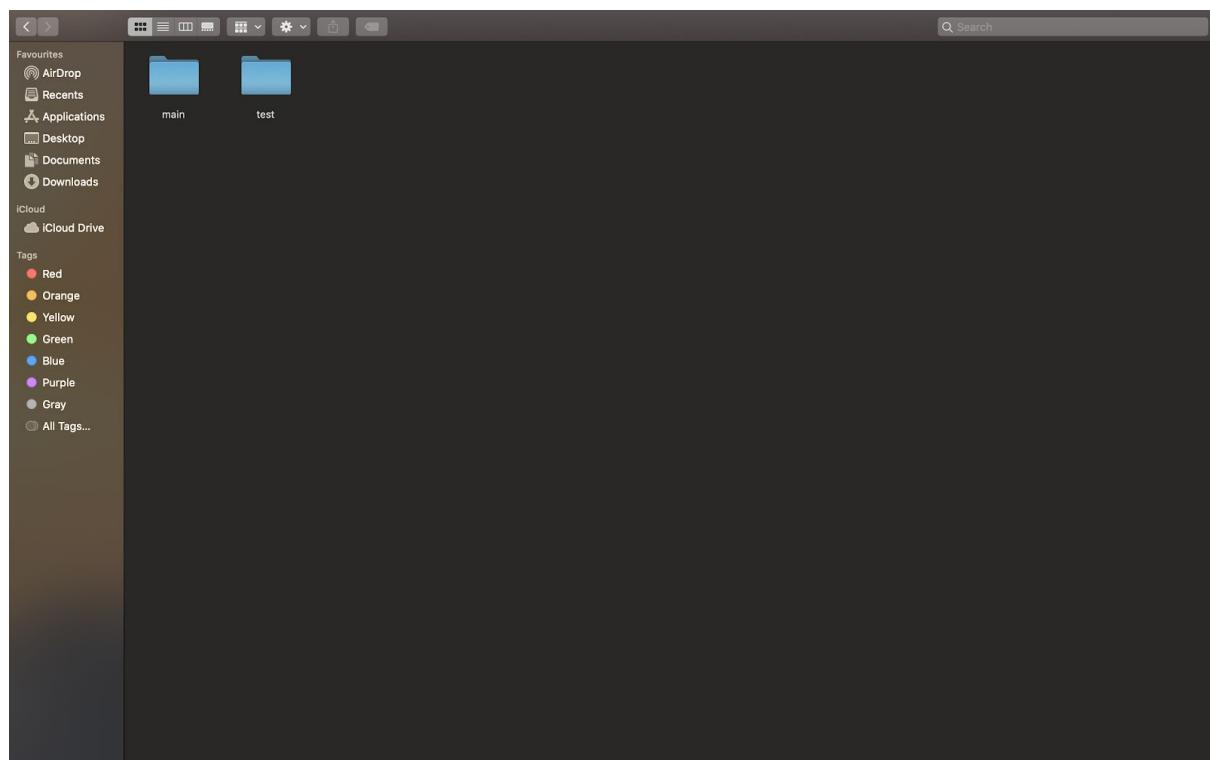
The screenshot shows a dark-themed code editor window with a vertical toolbar on the right containing numerous small icons. The main area displays XML code defining two Maven profiles, 'profile1' and 'profile2'. Both profiles use the same plugin configuration (maven-antrun-plugin) and activation logic (OS Windows XP). Profile 2 adds an additional execution step where it copies a file from 'src/main' to 'src/test' under the 'test' phase. A tooltip labeled 'Screenshot' points to the bottom center of the code area.

```
[INFO] -----
[piyushvishnoi@Piyushs-MBP my-app % mvn test -P profile1,profile2
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany.app:my-app >-----
[INFO] Building my-app 1.0-SNAPSHOT
[INFO] ----- [ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ my-app ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ my-app ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:testResources (default-testResources) @ my-app ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ my-app ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ my-app ---
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running com.mycompany.app.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.036 s - in com.mycompany.app.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-antrun-plugin:1.1:run (default) @ my-app ---
[INFO] Executing tasks [Screenshot]
[echo] This is my second profile activation

```

```
[INFO] -----
[INFO] ----- [ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:resources (default-resources) @ my-app ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:compile (default-compile) @ my-app ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:3.0.2:testResources (default-testResources) @ my-app ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/mavenprofile/my-app/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.8.0:testCompile (default-testCompile) @ my-app ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-surefire-plugin:2.22.1:test (default-test) @ my-app ---
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running com.mycompany.app.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.033 s - in com.mycompany.app.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] --- maven-antrun-plugin:1.1:run (default) @ my-app ---
[INFO] Executing tasks
[echo] This is my second profile activation
[INFO] Executed tasks
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.836 s
[INFO] Finished at: 2020-04-26T06:38:21+05:30
[INFO] -----
```

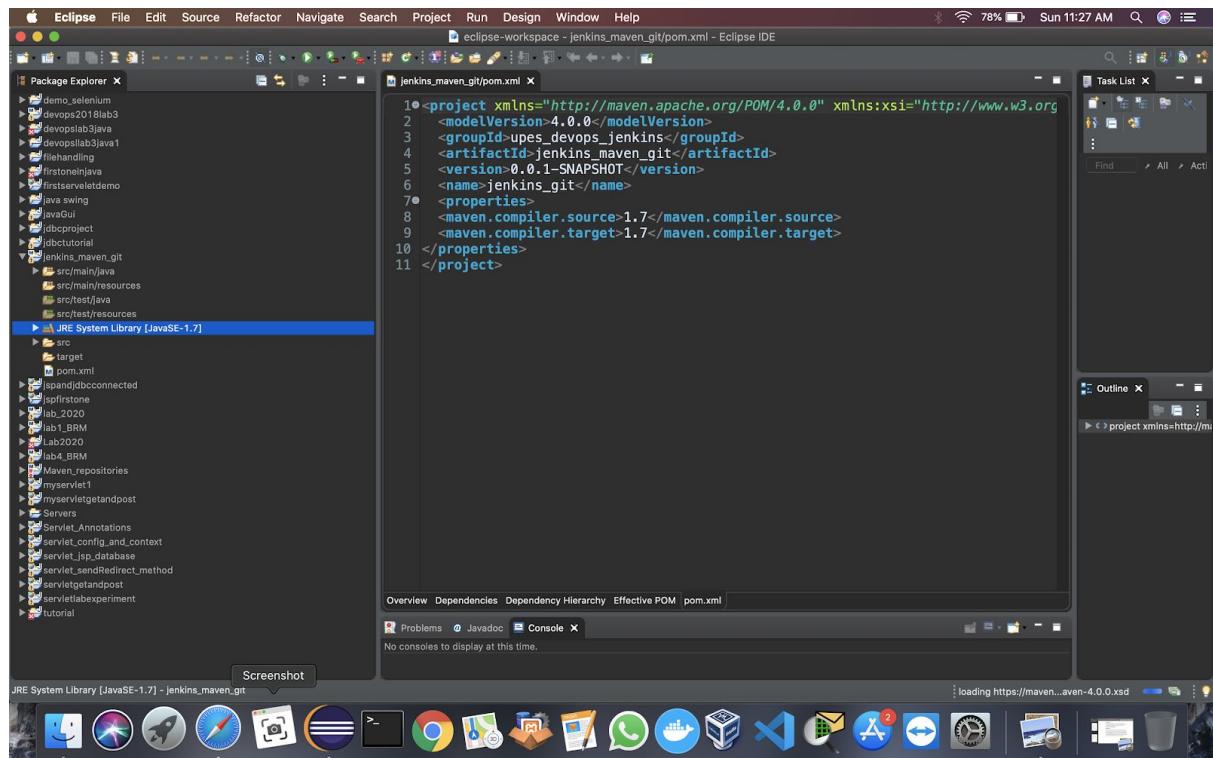




Lab Experiment - 10

Aim: Integration using GitHub

Create a complete Maven project and push in GitHub repository for Continuous Integration.



Linking to Git:

```
Last login: Sat May 2 18:14:49 on ttys000
You have mail.
piyushvishnoi@Piyushs-MBP ~ % cd Desktop
piyushvishnoi@Piyushs-MBP Desktop % cd
piyushvishnoi@Piyushs-MBP ~ % cd /Users/piyushvishnoi/eclipse-workspace/jenkins_maven_git
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git init
Reinitialized existing Git repository in /Users/piyushvishnoi/eclipse-workspace/jenkins_maven_git/.git/
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

    modified:   pom.xml
    modified:   target/classes/jenkins_maven_git/myclass.class

Untracked files:
  (use "git add <file>..." to include in what will be committed)

    target/maven-status/

no changes added to commit (use "git add" and/or "git commit -a")
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git add .
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    modified:   pom.xml
    modified:   target/classes/jenkins_maven_git/myclass.class
    new file:  target/maven-status/maven-compiler-plugin/compile/default-compile/createdFiles.lst
    new file:  target/maven-status/maven-compiler-plugin/compile/default-compile/inputFiles.lst
```



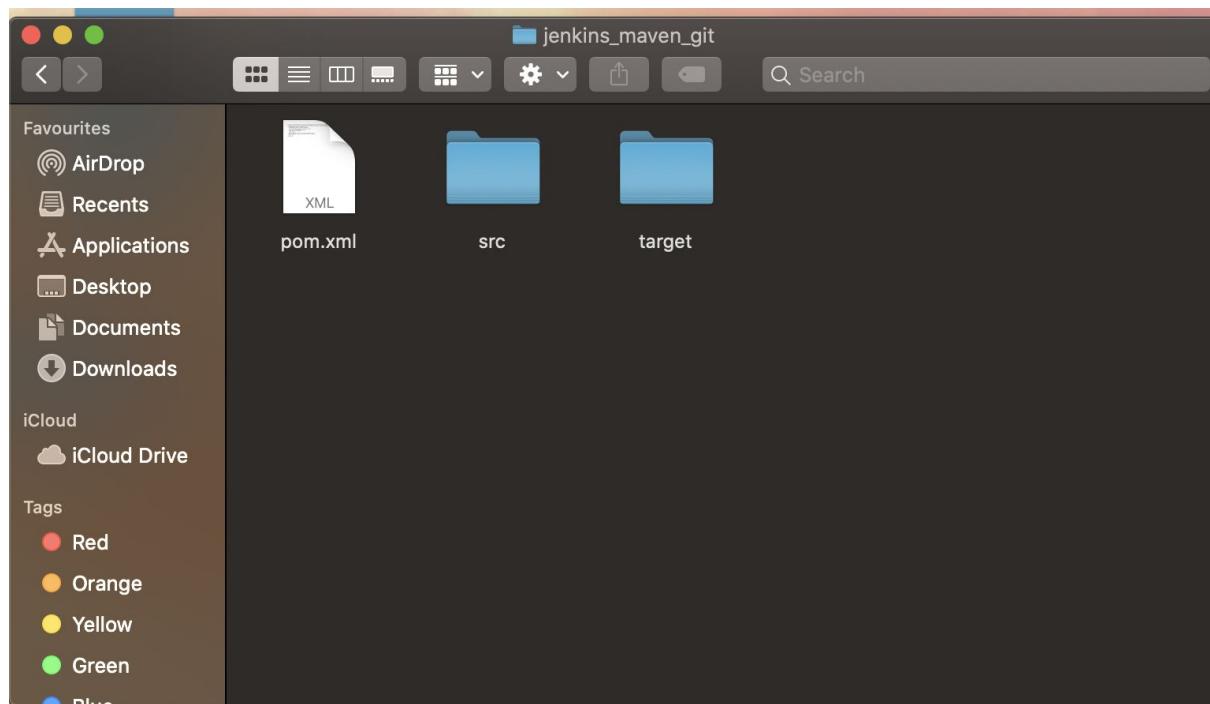
```
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git commit -m "final commit"
[master d168f03] final commit
 4 files changed, 5 insertions(+)
 rewrite target/classes/jenkins_maven_git/myclass.class (100%)
 create mode 100644 target/maven-status/maven-compiler-plugin/compile/default-compile/createdFiles.lst
 create mode 100644 target/maven-status/maven-compiler-plugin/compile/default-compile/inputFiles.lst
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git remote add origin https://github.com/Piyushvishnoi/jenkins_maven_git
fatal: remote origin already exists.
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git remote
origin
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git push -u origin master
Enumerating objects: 19, done.
Counting objects: 100% (19/19), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (13/13), 1.23 KiB | 1.23 MiB/s, done.
Total 13 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Piyushvishnoi/jenkins_maven_git.git
 54c8119..d168f03 master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
piyushvishnoi@Piyushs-MBP jenkins_maven_git % cd
piyushvishnoi@Piyushs-MBP ~ % cd Desktop
piyushvishnoi@Piyushs-MBP Desktop % ls
4thsem                               downloaded
Doc-1.docx                            eclipsedownloaded
Screen Recording 2020-03-31 at 2.05.44 PM.mov  exp2.13
Screenshot 2020-04-06 at 11.29.20 PM.png      htmlandcss
Screenshot 2020-04-15 at 2.26.36 PM.png      htmlpages
Screenshot 2020-04-19 at 11.47.58 PM.png      jenkinswarfile
Screenshot 2020-05-03 at 2.15.41 AM.png      jsexercisefiles
apachetomcat9                         monit sir project
calculator                             photo
chromedriver                          remaining scenarios
complaint                             test_build
courseera course                      upes letter for khushi.pdf
css
```



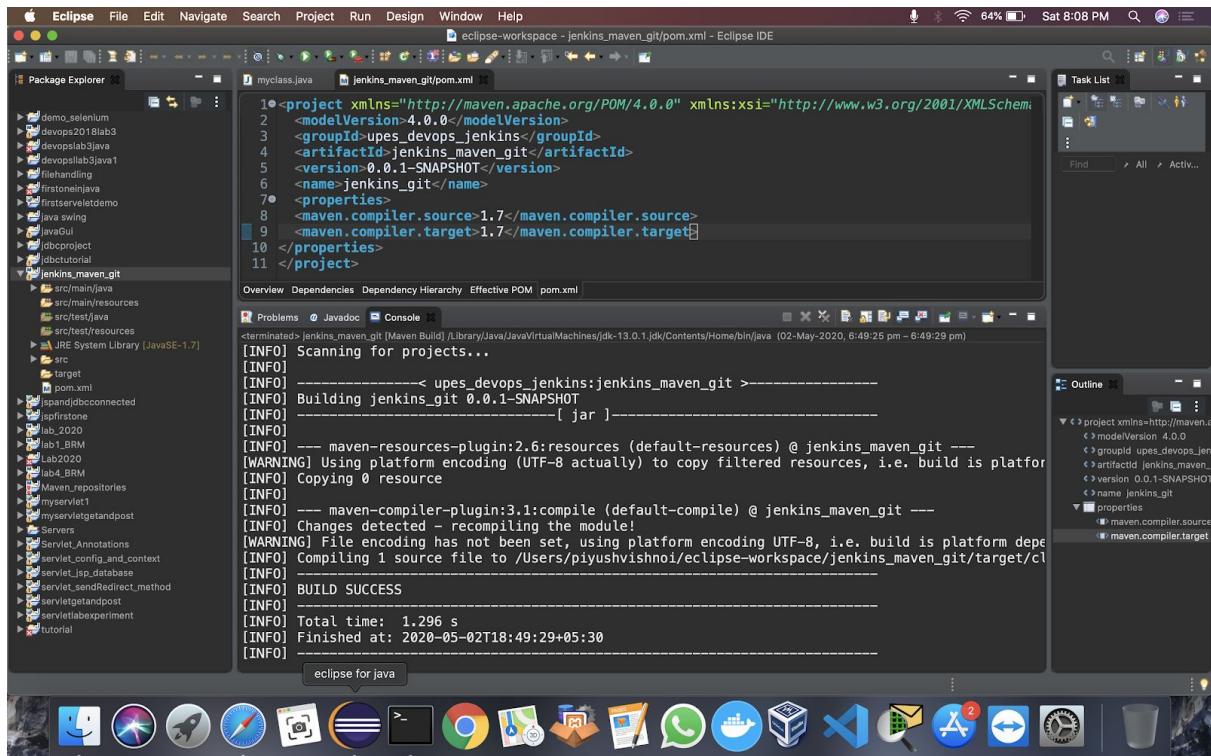
```
[master d168f03] final commit
 4 files changed, 5 insertions(+)
 rewrite target/classes/jenkins_maven_git/myclass.class (100%)
 create mode 100644 target/maven-status/maven-compiler-plugin/compile/default-compile/createdFiles.lst
 create mode 100644 target/maven-status/maven-compiler-plugin/compile/default-compile/inputFiles.lst
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git remote add origin https://github.com/Piyushvishnoi/jenkins_maven_git
fatal: remote origin already exists.
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git remote
origin
piyushvishnoi@Piyushs-MBP jenkins_maven_git % git push -u origin master
Enumerating objects: 19, done.
Counting objects: 100% (19/19), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (13/13), 1.23 KiB | 1.23 MiB/s, done.
Total 13 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Piyushvishnoi/jenkins_maven_git.git
 54c8119..d168f03 master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
piyushvishnoi@Piyushs-MBP jenkins_maven_git % cd
piyushvishnoi@Piyushs-MBP ~ % cd Desktop
piyushvishnoi@Piyushs-MBP Desktop % ls
4thsem           downloaded
Doc-1.docx        eclipsedownloaded
Screenshot 2020-03-31 at 2.05.44 PM.mov  exp2.13
Screenshot 2020-04-06 at 11.29.20 PM.png  htmlandcss
Screenshot 2020-04-15 at 2.26.36 PM.png  htmlpages
Screenshot 2020-04-19 at 11.47.58 PM.png  jenkinswarfile
Screenshot 2020-05-03 at 2.15.41 AM.png  jsexercisefiles
apacheoncat9      monit sir project
calculator         photo
chromedriver       remaining scenarios
complaint          test_build
courseera course   upes letter for khushi.pdf
css
piyushvishnoi@Piyushs-MBP Screenshot % cd test_build
piyushvishnoi@Piyushs-MBP test_build % git init
Reinitialized existing Git repository in /Users/piyushvishnoi/Desktop/test_build/.git/
piyushvishnoi@Piyushs-MBP test_build %
```



After Cloning:



Command execution :



Clean and Compile command:

```
piyushvishnoi@Piyushs-MBP jenkins_maven_git % mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----< upes_devops_jenkins:jenkins_maven_git >-----
[INFO] Building jenkins_git 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ jenkins_maven_git ---
[INFO] Deleting /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time:  0.532 s
[INFO] Finished at: 2020-05-02T18:50:55+05:30
[INFO]
piyushvishnoi@Piyushs-MBP jenkins_maven_git % mvn compile
[INFO] Scanning for projects...
[INFO]
[INFO] -----< upes_devops_jenkins:jenkins_maven_git >-----
[INFO] Building jenkins_git 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ jenkins_maven_git ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ jenkins_maven_git ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
[INFO] Compiling 1 source file to /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/target/classes
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time:  Screenshot
[INFO] Finished at: 2020-05-02T18:51:02+05:30
```

Maven Install command:

```
piyushvishnoi@Piyushs-MBP jenkins_maven_git % mvn install
[INFO] Scanning for projects...
[INFO]
[INFO] -----< upes_devops_jenkins:jenkins_maven_git >-----
[INFO] Building jenkins_git 0.0.1-SNAPSHOT
[INFO] ----- [ jar ] -----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ jenkins_maven_git ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/src/main/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ jenkins_maven_git ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ jenkins_maven_git ---
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ jenkins_maven_git ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ jenkins_maven_git ---
[INFO] No tests to run.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ jenkins_maven_git ---
[INFO] Building jar: /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/target/jenkins_maven_git-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ jenkins_maven_git ---
[INFO] Installing /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/target/jenkins_maven_git-0.0.1-SNAPSHOT.jar to /Users/piyushvishnoi/.m2/repository/upes_devops_jenkins/jenkins_maven_git/0.0.1-SNAPSHOT/jenkins_maven_git-0.0.1-SNAPSHOT.jar
[INFO] Installing /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/pom.xml to /Users/piyushvishnoi/.m2/repository/upes_devops_jenkins/jenkins_maven_git/0.0.1-SNAPSHOT/jenkins_maven_git-0.0.1-SNAPSHOT.pom
[INFO]
[INFO] BUILD SUCCESS
[INFO] ----- Screenshot -----
[INFO] Total time: 1.16s
[INFO] Finished at: 2023-05-10T10:25:00
```



After Install command, Jar file created:

```
[WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/src/test/resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ jenkins_maven_git ---
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ jenkins_maven_git ---
[INFO] No tests to run.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ jenkins_maven_git ---
[INFO] Building jar: /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/target/jenkins_maven_git-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ jenkins_maven_git ---
[INFO] Installing /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/target/jenkins_maven_git-0.0.1-SNAPSHOT.jar to /Users/piyushvishnoi/.m2/repository/upes_devops_jenkins/jenkins_maven_git/0.0.1-SNAPSHOT/jenkins_maven_git-0.0.1-SNAPSHOT.jar
[INFO] Installing /Users/piyushvishnoi/Desktop/test_build/jenkins_maven_git/pom.xml to /Users/piyushvishnoi/.m2/repository/upes_devops_jenkins/jenkins_maven_git/0.0.1-SNAPSHOT/jenkins_maven_git-0.0.1-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.108 s
[INFO] Finished at: 2020-05-02T18:55:19+05:30
[INFO] -----
```

