

## 1. Different Maven commands to run test cases

`mvn test`

`mvn install`

`mvn clean`

`mvn clean install`

## 2. Add the plugins in pom.xml

## 3. Where and how to add Compiler Plugin , surefire Plugin

## 4. How to run your Maven project from Command Line ?

Go to the project location where pom.xml file is present and open cmd prompt from there.

Then first clean the project target folder by running `mvn clean` and then run the project by using `mvn install`.

What is Maven | Why we use Maven | Wha

MavenProjectDemo

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C:\Users\pand\edipse-workspace\AJ\_Automation\_New\MavenProjectDemo

Name	Date modified	Type	Size
.settings	8/24/2020 1:14 PM	File folder	
src	8/24/2020 1:13 PM	File folder	
target	8/28/2020 5:10 PM	File folder	
test-output	8/25/2020 11:33 AM	File folder	
.classpath	8/28/2020 5:07 PM	CLASSPATH File	2 KB
.project	8/24/2020 1:14 PM	PROJECT File	1 KB
pom	8/28/2020 5:06 PM	XML Document	2 KB

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Run Maven Project from cmd

MavenProjectDemo

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File folder

.classpath

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CLASSPATH File

2 KB

.project

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PROJECT File

1 KB

pom

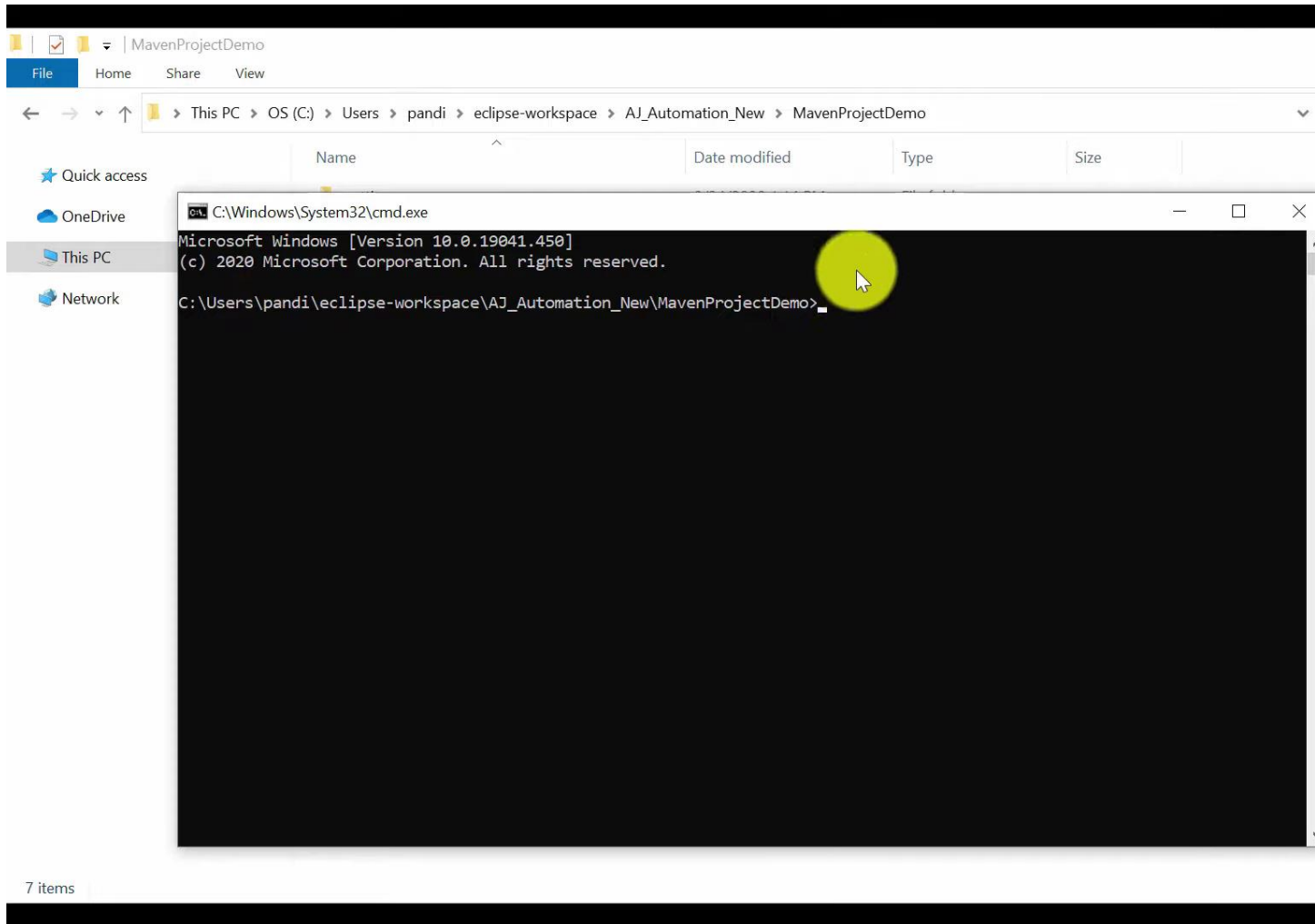
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XML Document

2 KB

7 items





AJ\_Automation\_New - MavenProjectDemo/pom.xml - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Package Explorer

> Automate\_With\_Selenium

▼ MavenProjectDemo

src/main/java

src/main/resources

▼ src/test/java

com.qa.automation

> FirstTest.java

> SecondTest.java

src/test/resources

> JRE System Library [JavaS

> Maven Dependencies

> src

> target

> test-output

pom.xml

C:\Windows\System32\cmd.exe - mvn test

Microsoft Windows [Version 10.0.19041.450]

(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\pandi\eclipse-workspace\AJ\_Automation\_New\MavenProjectDemo>mvn test

[INFO] Scanning for projects...

[INFO] -----< MavenProjectDemo:MavenProjectDemo >-----

[INFO] Building MavenProjectDemo 0.0.1-SNAPSHOT

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

[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ MavenProjectDemo ---

[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!

[INFO] Copying 0 resource

[INFO] --- maven-compiler-plugin:3.8.1:compile (default-compile) @ MavenProjectDemo ---

[INFO] Nothing to compile - all classes are up to date

[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ MavenProjectDemo ---

[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!

[INFO] Copying 0 resource

[INFO] --- maven-compiler-plugin:3.8.1:testCompile (default-testCompile) @ MavenProjectDemo ---

[INFO] Nothing to compile - all classes are up to date

[INFO] --- maven-surefire-plugin:3.0.0-M5:test (default-test) @ MavenProjectDemo ---

[INFO] -----

[INFO] T E S T S

[INFO] -----

<terminated> C:\Program Files\Java\jdk1.8.0\_261\bin\javaw.exe (Aug 28, 2020 5:10:24 PM)

[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ MavenProjectDemo ---

[INFO] Building jar: C:\Users\pandi\eclipse-workspace\AJ\_Automation\_New\

project/build/plugins/#text

Writable

Smart Insert

10:18:389

## How to run Maven Project from command line | mvn clean install | Build Maven using cmd prompt

```
C:\Windows\System32\cmd.exe - mvn install

[INFO] Scanning for projects...
[INFO]
[INFO] -----< MavenProjectDemo:MavenProjectDemo >-----
[INFO] Building MavenProjectDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ MavenProjectDemo ---
[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:3.8.1:compile (default-compile) @ MavenProjectDemo ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ MavenProjectDemo ---
[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:3.8.1:testCompile (default-testCompile) @ MavenProjectDemo ---
[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 2 source files to C:\Users\pandi\eclipse-workspace\AJ_Automation_New\MavenProjectDemo\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:3.0.0-M5:test (default-test) @ MavenProjectDemo ---
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running TestSuite
```

## How to run Maven Project from command line | mvn clean install | Build Maven using cmd prompt

```
C:\Windows\System32\cmd.exe - mvn clean

[INFO] Scanning for projects...
[INFO]
[INFO] -----< MavenProjectDemo:MavenProjectDemo >-----
[INFO] Building MavenProjectDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ MavenProjectDemo ---
[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:3.8.1:compile (default-compile) @ MavenProjectDemo ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ MavenProjectDemo ---
[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:3.8.1:testCompile (default-testCompile) @ MavenProjectDemo ---
[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 2 source files to C:\Users\pandi\eclipse-workspace\AJ_Automation_New\MavenProjectDemo\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:3.0.0-M5:test (default-test) @ MavenProjectDemo ---
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
[INFO] Running TestSuite
Running===FirstTest=====test1
Running===FirstTest=====test2
Running===FirstTest=====test3
Running===SecondTest=====test1
Running===SecondTest=====test2
[INFO] Tests run: 5, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.692 s - in TestSuite
[INFO] Results:
[INFO]
[INFO] Tests run: 5, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 3.786 s
[INFO] Finished at: 2020-08-28T17:19:40+05:30
[INFO]
[INFO] -----
C:\Users\pandi\eclipse-workspace\AJ_Automation_New\MavenProjectDemo>mvn clean
```



# How to run Maven Project from command line | mvn clean install | Build Maven using cmd prompt #

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```
C:\Windows\System32\cmd.exe - mvn clean install
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ MavenProjectDemo ---
[INFO] Building jar: C:\Users\pandi\eclipse-workspace\AJ_Automation_New\MavenProjectDemo\target\MavenProjectDemo-0.0.1-SNAPSHOT.jar
[INFO] --- maven-install-plugin:2.4:install (default-install) @ MavenProjectDemo ---
[INFO] Installing C:\Users\pandi\eclipse-workspace\AJ_Automation_New\MavenProjectDemo\target\MavenProjectDemo-0.0.1-SNAPSHOT.jar to C:\Users\pandi\.m2\repository\MavenProjectDemo\MavenProjectDemo\0.0.1-SNAPSHOT\MavenProjectDemo-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\pandi\eclipse-workspace\AJ_Automation_New\MavenProjectDemo\pom.xml to C:\Users\pandi\.m2\repository\MavenProjectDemo\MavenProjectDemo\0.0.1-SNAPSHOT\MavenProjectDemo-0.0.1-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 5.614 s
[INFO] Finished at: 2020-08-28T17:20:53+05:30
[INFO] -----

C:\Users\pandi\eclipse-workspace\AJ_Automation_New\MavenProjectDemo>mvn clean install
[INFO] Scanning for projects...
[INFO] -----< MavenProjectDemo:MavenProjectDemo >-----
[INFO] Building MavenProjectDemo 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ MavenProjectDemo ---
[INFO] Deleting C:\Users\pandi\eclipse-workspace\AJ_Automation_New\MavenProjectDemo\target
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ MavenProjectDemo ---
```

8 items 5:16 / 8:28