

# MAVEN ASSIGNMENT

## By Praveen Kumar Dande

### 1) Install Maven

```
Command Prompt
Microsoft Windows [Version 10.0.18363.900]
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C:\Users\proll>mvn -v
Apache Maven 3.6.3 (cecedd343002696d0abb50b32b541b8a6ba2883f)
Maven home: C:\Program Files\apache-maven-3.6.3\bin\..
Java version: 14.0.2, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-14.0.2
Default locale: en_IN, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"

C:\Users\proll>
```

### 2) Create a sample Maven project

```
mvn archetype:generate -DgroupId=com.accolite.au -DartifactId=maven-session -
Dpackage=com.accolite.au -Dversion=1.0 -DarchetypeArtifactId=maven-archetype-
quickstart -DinteractiveMode=false
```

```
mvn install
```

```
Command Prompt
C:\Users\proll\Desktop\accolite\au>mvn install
[INFO] Scanning for projects...
[INFO]
[INFO] ----- com.sample.au:maven-assignment -----
[INFO] Building maven-assignment 1.0
[INFO] ----- [ jar ] -----
[INFO]
[INFO] --- maven-resources-plugin:2.7:resources (default-resources) @ maven-assignment ---
[WARNING] Using platform encoding (cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\proll\Desktop\accolite\au\maven\maven-assignment\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ maven-assignment ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding (cp1252, i.e. build is platform dependent)
[INFO] Compiling 1 source file to C:\Users\proll\Desktop\accolite\au\maven\maven-assignment\target\classes
[INFO]
[INFO] --- maven-resources-plugin:2.7:testResources (default-testResources) @ maven-assignment ---
[WARNING] Using platform encoding (cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\proll\Desktop\accolite\au\maven\maven-assignment\src\test\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven-assignment ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding (cp1252, i.e. build is platform dependent)
[INFO] Compiling 1 source file to C:\Users\proll\Desktop\accolite\au\maven\maven-assignment\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.15.4:test (default-test) @ maven-assignment ---
[INFO] Surefire report directory: C:\Users\proll\Desktop\accolite\au\maven\maven-assignment\target\surefire-reports
[INFO]
[INFO] -----
[INFO] T E S T S
[INFO] -----
Running com.sample.au.AppTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.027 sec
Results:
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] --- maven-jar-plugin:3.1.2:jar (default-jar) @ maven-assignment ---
[INFO] Building jar: C:\Users\proll\Desktop\accolite\au\maven\maven-assignment\target\maven-assignment-1.0.jar
[INFO]
[INFO] --- maven-install-plugin:2.4.1:install (default-install) @ maven-assignment ---
[INFO] Installing C:\Users\proll\Desktop\accolite\au\maven\maven-assignment\target\maven-assignment-1.0.jar to C:\Users\proll\au\repository\com\sample\au\maven-assignment\1.0\maven-assignment-1.0.jar
[INFO] Installing C:\Users\proll\Desktop\accolite\au\maven\maven-assignment\pom.xml to C:\Users\proll\au\repository\com\sample\au\maven-assignment\1.0\maven-assignment-1.0.pom
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 3.442 s
[INFO] Finished at: 2020-07-20T19:17:04+05:30
```

## mvn exec:java -Dexec.mainClass=com.sample.au.App

```
Downloading from central: https://repo.maven.apache.org/maven2/commons-io/commons-io/2.5/commons-io-2.5.jar
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-artifact-transfer/0.10.1/maven-artifact-transfer-0.10.1.jar (128 kB at 48 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/3.1.0/maven-shared-utils-3.1.0.jar (164 kB at 35 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-interpolation/1.14/plexus-interpolation-1.14.jar (61 kB at 13 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/commons-io/commons-io/2.5/commons-io-2.5.jar (209 kB at 34 kB/s)
Downloaded from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-utils/3.0.20/plexus-utils-3.0.20.jar (243 kB at 19 kB/s)
Hello World!
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 42.913 s
[INFO] Finished at: 2020-07-29T19:21:19+05:30
[INFO] -----
C:\Users\proll\Desktop\accolite lec\maven\maven-assignment>
```

## 3) create a maven web project

mvn archetype:generate -DgroupId=com.web.au -DartifactId=maven-webapp -  
Dpackage=com.web.au -Dversion=1.0 -DarchetypeArtifactId=maven-archetype-webapp -  
DinteractiveMode=false

### mvn install

```
WARNING: Illegal reflective access by com.thoughtworks.xstream.core.util.Fields (file C:\Users\proll\.m2\repository\com\thoughtworks\xstream\xstream-1.9.1\xstream-1.9.1.jar) to field java
ts
WARNING: Please consider reporting this to the maintainers of com.thoughtworks.xstream.core.util.Fields
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
[INFO] Packaging webapp
[INFO] Assembling webapp [maven-webapp] in [C:\Users\proll\Desktop\accolite lec\maven\maven-webapp\target\maven-webapp]
[INFO] Processing war project
[INFO] Copying webapp resources [C:\Users\proll\Desktop\accolite lec\maven\maven-webapp\src\main\webapp]
[INFO] Webapp assembled in [144 msecs]
[INFO] Building war: C:\Users\proll\Desktop\accolite lec\maven\maven-webapp\target\maven-webapp.war
[INFO] WEB-INF\web.xml already added, skipping
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ maven-webapp ---
[INFO] Installing C:\Users\proll\Desktop\accolite lec\maven\maven-webapp\target\maven-webapp.war to C:\Users\proll\.m2\repository\com\web\au\maven-webapp\1.0\maven-webapp-1.0.war
[INFO] Installing C:\Users\proll\Desktop\accolite lec\maven\maven-webapp\pom.xml to C:\Users\proll\.m2\repository\com\web\au\maven-webapp\1.0\maven-webapp-1.0.pom
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 11.263 s
[INFO] Finished at: 2020-07-29T19:32:45+05:30
[INFO]
C:\Users\proll\Desktop\accolite lec\maven\maven-webapp>
```

## 4)

## mvn install -Dmaven.test.skip=true

```
[INFO] Building maven-assignment 1.0
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ maven-assignment ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\proll\Desktop\accolite lec\maven\maven-assignment\src\main\resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ maven-assignment ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ maven-assignment ---
[INFO] Not copying test resources
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ maven-assignment ---
[INFO] Not compiling test sources
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ maven-assignment ---
[INFO] Tests are skipped.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ maven-assignment ---
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ maven-assignment ---
[INFO] Installing C:\Users\proll\Desktop\accolite lec\maven\maven-assignment\target\maven-assignment-1.0.jar to C:\Users\proll\.m2\repository\com\sample\au\maven-assignment\1.0\maven-assignment-1.0.jar
[INFO] Installing C:\Users\proll\Desktop\accolite lec\maven\maven-assignment\pom.xml to C:\Users\proll\.m2\repository\com\sample\au\maven-assignment\1.0\maven-assignment-1.0.pom
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 2.339 s
[INFO] Finished at: 2020-07-29T19:46:55+05:30
[INFO]
C:\Users\proll\Desktop\accolite lec\maven\maven-assignment>
```

Or

Add

```
<properties>
```

```
    <maven.test.skip>true</maven.test.skip>
```

```
</properties>
```

In pom.xml