## **MAVEN**

```
Microsoft Windows [Version 10.0.22621.1105]
(c) Microsoft Corporation. All rights reserved.

C:\java\apache—maven-3.9.0\bin>mvn -version

Apache Maven 3.9.0 (9b58d2bad23a66be161c4664ef21ce219c2c8584)

Maven home: C:\java\apache—maven-3.9.0

Java version: 1.8.0_361, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jrel.8.0_361

Default locale: en_IN, platform encoding: Cp1252

OS name: "windows 11", version: "10.0", arch: "amd64", family: "windows"

C:\java\apache—maven-3.9.0\bin>md maven1

C:\java\apache—maven-3.9.0\bin>md maven1

C:\java\apache—maven-3.9.0\bin\maven1>path=%path%;C:\java\apache—maven-3.9.0\bin

C:\java\apache—maven-3.9.0\bin\maven1>path=%path%;C:\java\apache—maven-3.9.0\bin\maven1>path

PATH=C:\oraclexe\app\oracle\product\ll.2.0\server\bin;C:\Program Files (x86)\Common Files\Oracle\Java\javapath;C:\WINDOWS\system32\Windows\PowerShell\vl.0\;C:\WINDOWS\system32\Dows\PowerShell\vl.0\;C:\WINDOWS\system32\Dows\PowerShell\vl.0\;C:\WINDOWS\System32\Dows\PowerShell\vl.0\;C:\WINDOWS\System32\Dows\PowerShell\vl.0\;C:\WINDOWS\System32\Dows\PowerShell\vl.0\;C:\WINDOWS\System32\Dows\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShell\vl.0\;C:\WINDOWS\PowerShe
```

```
C:\java\apache-maven-3.9.0\bin\mavenl>mvn archetype:generate
[INFO] Scanning for projects...

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.2.0/maven-clean-plugin-3.2.0.pom

Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-clean-plugin/3.2.0/maven-clean-plugin-3.2.0.pom (5.3 kB a t 3.8 kB/s)

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins/35/maven-plugins-35.pom

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-plugins-35.pom (9.9 kB at 40 kB/s)

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent/35/maven-plugins-35.pom (9.9 kB at 40 kB/s)

Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/maven-parent-35.pom (45 kB at 114 kB/s)

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/25/apache-25.pom (21 kB at 93 kB/s)

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.0/maven-install-plugin-3.1.0.pom

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.0/maven-install-plugin-3.1.0.pom

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.0/maven-install-plugin-3.1.0.pom

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.0/maven-install-plugin-3.1.0.jar

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-install-plugin/3.1.0/maven-install-plugin-3.1.0.jar (30 kB at 131 kB/s)

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.0.0/maven-deploy-plugin-3.0.0.pom

Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/plugins/maven-deploy-plugin/3.0.0/
```

```
3226: remote -> za.co.absa.hyperdrive:component-archetype_2.12 (-)
Choose a number or apply filter (format: [groupId:]artifactId, case sensitive contains): 2007:
Choose org.apache.maven.archetypes:maven-archetype-quickstart version:
1: 1.0-alpha-1
2: 1.0-alpha-2
3: 1.0-alpha-3
4: 1.0-alpha-4
5: 1.0
6: 1.1
7: 1.3
8: 1.4
Choose a number: 8:
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4/pom Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4/pom Choose a number: 8:
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/1.4/maven-archetype-bundles-1.4.pom
Downloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-bundles/1.4/maven-archetype-bundles-1.4.pom
C4.5 kB at 24 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-duickstart/1.4/maven-archetype-bundles-1.4.pom
C4.5 kB at 24 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-duickstart/1.4/maven-archetype-bundles-1.4.pom
C4.5 kB at 24 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-duickstart/1.4/maven-archetype-duickstart-1.4.pom
C4.5 kB at 24 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-duickstart/1.4/maven-archetype-duickstart-1.4.pom
C4.5 kB at 24 kB/s)
```

```
Dominoaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/archetypes/maven-archetype-quickstart/1.4/maven-archetype-quickstart-1.4.jar (7.1 kB at 38 kB/s)

Define value for property 'artifactid': java

Define value for property 'version' 1.0-SNAPSHOT:

Define value for property 'version' 1.0-SNAPSHOT:

Define value for property 'version' 1.0-SNAPSHOT:

Gonfirm properties configuration:

groupId: wissen

artifactId: java

version: 1.0-SNAPSHOT

package: wissen

Y::

INFO

INFO

Parameter: groupId, Value: wissen

INFO

Parameter: spoupId, Value: wissen

INFO

Parameter: version, Value: 1.0-SNAPSHOT

INFO

Parameter: version, Value: 1.0-SNAPSHOT

INFO

Parameter: package, Value: wissen

INFO

Parameter: groupId, Value: sissen

INFO

Parameter: package, Value: wissen

INFO

Poject created from Archetype in dir: C:\java\apache-maven-3.9.8\bin\mavenl\java

INFO

INFO

Bull Success

INFO

INFO

Tinsished at: 2023-02-14T16:14:26+05:30

INFO

INFO

Tinsished at: 2023-02-14T16:14:26+05:30
```

```
C:\java\apache-maven-3.9.0\bin\maven1>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1
14-02-2023 16:14
                     <DIR>
14-02-2023 15:50
14-02-2023 16:14
                     <DIR>
                     <DIR>
                                     java
               0 File(s)
                                      0 bytes
               3 Dir(s) 31,562,346,496 bytes free
C:\java\apache-maven-3.9.0\bin\maven1>cd java
C:\java\apache-maven-3.9.0\bin\maven1\java>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java
14-02-2023 16:14
                     <DIR>
14-02-2023 16:14
                     <DIR>
14-02-2023 16:14
                              2,713 pom.xml
14-02-2023 16:14
                     <DIR>
                                    src
               1 File(s)
                                  2,713 bytes
               3 Dir(s) 31,561,146,368 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java>cd src
C:\java\apache-maven-3.9.0\bin\maven1\java\src>cd main
C:\java\apache-maven-3.9.0\bin\maven1\java\src\main>cd java
C:\java\apache-maven-3.9.0\bin\maven1\java\src\main\java>cd wissen
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java\src\main\java\wissen>type App.java
package wissen;

/**
   * Hello world!
   *
   */
public class App
{
    public static void main( String[] args )
    {
        System.out.println( "Hello World!" );
    }
}
C:\java\apache-maven-3.9.0\bin\maven1\java\src\main\java\wissen>
```

```
C:\Windows\System32\cmd.e × +
Microsoft Windows [Version 10.0.22621.1105]
(c) Microsoft Corporation. All rights reserved.
C:\java\apache-maven-3.9.0\bin\maven1\java>mvn compile
[INFO] Scanning for projects...
[INFO] Staming for projects...
[INFO] [INFO] Huilding java 1.0-SNAPSHOT
[INFO] from pom.xml
 [INFO]
                                  -----[ jar ]-----
[INFO]
[INFO] --- resources:3.0.2:resources (default-resources) @ java ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\java\apache-maven-3.9.0\bin\maven1\java\src\main\resources
C:\java\apache-maven-3.9.0\bin\maven1\java>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java
14-02-2023 16:42
                      <DIR>
14-02-2023 16:14
                      <DIR>
14-02-2023 16:14
                                2,713 pom.xml
14-02-2023 16:14
                      <DIR>
                                     src
14-02-2023
             16:42
                      <DIR>
                                      target
                1 File(s)
                                    2,713 bytes
                4 Dir(s) 31,569,506,304 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java>pom.xml
C:\java\apache-maven-3.9.0\bin\maven1\java>
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java
14-02-2023 16:42
                     <DIR>
14-02-2023
           16:14
                     <DIR>
14-02-2023 16:14
                              2,713 pom.xml
                     <DIR>
14-02-2023 16:14
                                    \operatorname{src}
14-02-2023 16:42
                     <DIR>
                                    target
               1 File(s)
                                  2,713 bytes
               4 Dir(s) 29,919,629,312 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java>cd target
C:\java\apache-maven-3.9.0\bin\maven1\java\target>cd classes
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>dir
Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes
14-02-2023
            17:03
                     <DIR>
14-02-2023
            16:42
                     <DIR>
14-02-2023 17:03
                     <DIR>
                                    wissen
               0 File(s)
                                      0 bytes
               3 Dir(s) 29,919,514,624 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>cd wissen
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes\wissen>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes\wissen
14-02-2023 17:03
                     <DIR>
14-02-2023 17:03
                     <DIR>
14-02-2023 17:03
                                527 App.class
               1 File(s)
                                    527 bytes
               2 Dir(s) 29,919,449,088 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes\wissen>cd..
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>java wissen.App
Hello World!
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>cd..
C:\java\apache-maven-3.9.0\bin\maven1\java\target>cd..
C:\java\apache-maven-3.9.0\bin\maven1\java>mvn compile
[INFO] Scanning for projects...
--[ jar ]--
[INFO]
[INFO]
            resources:3.0.2:resources (default-resources) @ java ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\java\apache-maven-3.9.0\bin\maven1\java\src\main\resources
[INFO]
[INFO] --- compiler:3.8.0:compile (default-compile) @ java ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes
[INFO]
[INFO]
       BUILD SUCCESS
[INFO]
C:\java\apache-maven-3.9.0\bin\maven1\java>cd target
C:\java\apache-maven-3.9.0\bin\maven1\java\target>cd classes
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>java wissen.App
Namste Maven
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>
```

```
C:\Windows\System32\cmd.e ×
C:\java\apache-maven-3.9.0\bin\maven1\java\tarqet\classes>cd..
C:\java\apache-maven-3.9.0\bin\maven1\java\target>cd..
C:\java\apache-maven-3.9.0\bin\maven1\java>mvn validate
[INFO] Scanning for projects...
[INFO]
[INFO]
        from pom.xml
[INFO]
                               ----[ jar ]--
[INFO]
[INFO] BUILD SUCCESS
[INFO] Total time: 0.110 s
[INFO]
      Finished at: 2023-02-14T18:58:59+05:30
[INFO] -
C:\java\apache-maven-3.9.0\bin\maven1\java>cd src
C:\java\apache-maven-3.9.0\bin\maven1\java\src>dir
Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java\src
14-02-2023 16:14
                    <DIR>
14-02-2023
           16:42
                    <DIR>
14-02-2023
           16:14
                    <DIR>
                                   main
14-02-2023
           16:14
                    <DTR>
                                   test
              0 File(s)
                                     0 bytes
              4 Dir(s) 30,072,131,584 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java\src>cd test
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java\src\test>cd java
C:\java\apache-maven-3.9.0\bin\maven1\java\src\test\java>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java\src\test\java
                     <DIR>
14-02-2023 16:14
14-02-2023
            16:14
                     <DIR>
14-02-2023 16:14
                     <DIR>
                                    wissen
                                      0 bytes
               0 File(s)
               3 Dir(s) 30,072,975,360 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java\src\test\java>cd wissen
C:\java\apache-maven-3.9.0\bin\maven1\java\src\test\java\wissen>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java\src\test\java\wissen
                     <DIR>
14-02-2023 16:14
14-02-2023 16:14
                     <DIR>
14-02-2023 16:14
                                298 AppTest.java
               1 File(s)
                                    298 bytes
               2 Dir(s) 30,074,703,872 bytes free
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java\src\test\java\wissen>type AppTest.java
package wissen;
import static org.junit.Assert.assertTrue;
import org.junit.Test;
/**
 * Unit test for simple App.
 */
public class AppTest
    /**
     * Rigorous Test :-)
    */
    @Test
    public void shouldAnswerWithTrue()
    {
        assertTrue( true );
    }
C:\java\apache-maven-3.9.0\bin\maven1\java\src\test\java\wissen>
```

```
[INFO] Scanning for projects...
C:\java\apache-maven-3.9.0\bin\maven1\java>mvn test
----[ jar ]----
               resources:3.0.2:resources (default-resources) @ java ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\java\apache-maven-3.9.0\bin\maven1\java\src\main\resources
[INFO]
[INFO] -
             -- compiler:3.8.0:compile (default-compile) @ java ---
[INFO] Nothing to compile - all classes are up to date [INFO]
[INFO] --- resources:3.0.2:testResources (default-testResources) @ java ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\java\apache-maven-3.9.0\bin\maven1\java\src\test\resources
[INFO]
[INFO] --- compiler:3.8.0:testCompile (default-testCompile) @ java ---
[INFO] Nothing to compile - all classes are up to date
 [INFO]
 [INFO] --- surefire:2.22.1:test (default-test) @ java ---
[INFO]
[INFO] TESTS
[INFO] Running wissen.AppTest
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.04 s - in wissen.AppTest
[INFO]
[INFO] Results:
[INFO]
[INFO]
[INFO] ------
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 2.220 s
[INFO] Finished at: 2023-02-14T22:12:29+05:30
[INFO]
C:\java\apache-maven-3.9.0\bin\maven1\java>
```

```
Domnloaded from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-shared-utils/3.0.1/maven-shared-utils-3.0.1.pom (4.6 kB at 11 kB/s)
Domnloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver/3.3/plexus-archiver-3.3.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/glexus/3.2/plexus-3.2.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/glexus/3.2/plexus-3.2.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/glexus/3.2/plexus-3.2.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/glexus-10/2.7.1/plexus-10-2.7.1.pom (4.9 kB at 18 kB/s)
Domnloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-10/2.7.1/plexus-10-2.7.1.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/maven2/org/mache/commons-10/2.2/commons-10/2.2.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/mache/commons-10/2.2/commons-10/2.2.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/mache/commons-10/2.2/commons-10/2.2.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/mache/commons/commons-parent/2u/commons-parent-2u/pom (4.7 kB at 139 kB/s)
Domnloading from central: https://repo.maven.apache.org/maven2/org/apache/commons/commons-parent/2u/commons-parent-2u/pom (4.7 kB at 139 kB/s)
Domnloading from central: https://repo.maven.apache.org/maven2/org/dapache/commons/commons-compress/1.11/commons-compress-1.11.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/dapache/commons/commons-compress/1.11/commons-compress-1.11.pom
Domnloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver-3.4.pom (5.8 kB at 25 kB/s)
Domnloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-archiver-3.4.pom (5.8 kB at 25 kB/s)
Domnloading from central: https://repo.ma
```

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```
C:\java\apache-maven-3.9.0\bin\maven1\java>cd target
C:\java\apache-maven-3.9.0\bin\maven1\java\target>dir
Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java\target
14-02-2023 22:20
                         <DIR>
14-02-2023 16:42
14-02-2023 17:03
14-02-2023 16:42
                         <DTR>
                                           classes
                                           generated-sources
              22:11
22:20
                                   generated-test-sources
2,402 java-1.0-SNAPSHOT.jar
14-02-2023
                         <DIR>
14-02-2023
                         <DIR>
14-02-2023
14-02-2023
              22:20
                                          maven-archiver
14-02-2023
                         <DIR>
                                           surefire-reports
                                           test-classes
                  1 File(s) 2,402 bytes
9 Dir(s) 30,611,693,568 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java\target>md jar
C:\java\apache-maven-3.9.0\bin\maven1\java\target>copy java-1.0-SNAPSHOT.jar C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar 1 file(s) copied.
C:\java\apache-maven-3.9.0\bin\maven1\java\target>cd jar
C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar>dir
 Volume in drive C is Windows
Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar
14-02-2023 22:31
14-02-2023 22:30
14-02-2023 22:20
                         <DTR>
                                    2,402 java-1.0-SNAPSHOT.jar
                  1 File(s) 2,402 bytes
2 Dir(s) 30,606,311,424 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar>
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar>jar -xvf java-1.0-SNAPSHOT.jar
inflated: META-INF/MANIFEST.MF
    created: META-INF/
    created: wissen/
    created: META-INF/maven/
    created: META-INF/maven/wissen/
    created: META-INF/maven/wissen/
    created: META-INF/maven/wissen/java/
inflated: wissen/App.class
inflated: META-INF/maven/wissen/java/pom.xml
inflated: META-INF/maven/wissen/java/pom.properties

C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar>java wissen.App
Namste Maven

C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar>cd..

C:\java\apache-maven-3.9.0\bin\maven1\java\target>cd..
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar>java wissen.App Namste Maven
C:\java\apache-maven-3.9.0\bin\maven1\java\target>cd jar
C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar>dir
 Volume in drive C is Windows
Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar
14-02-2023 22:48
14-02-2023 22:30
14-02-2023 22:40
                       <DIR>
                                 2,401 java-1.0-SNAPSHOT.jar
                1 File(s) 2,401 bytes
2 Dir(s) 29,839,040,512 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar>jar -xvf java-1.0-SNAPSHOT.jar
inflated: META-INF/MANIFEST.MF
created: META-INF/
  created: wissen/
created: META-INF/maven/
created: META-INF/maven/wissen/
  created: META-INF/maven/wissen/java/
 inflated: wissen/App.class
inflated: META-INF/maven/wissen/java/pom.xml
inflated: META-INF/maven/wissen/java/pom.properties
 \hbox{C:\java\apache-maven-} 3.9.0 \\ \hbox{bin\maven1\java\target\jar>java\ wissen. App Hii Wissen} 
C:\java\apache-maven-3.9.0\bin\maven1\java\target\jar>
```

```
(INFO) Results:
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Errors: 0, Skipped: 0
(INFO) Tests run: 1, Errors: 0, Skipped
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java>cd\
C:\>cd C:\Users\akkis\.m2\repository\wissen\java\1.0-SNAPSHOT
C:\Users\akkis\.m2\repository\wissen\java\1.0-SNAPSHOT>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\Users\akkis\.m2\repository\wissen\java\1.0-SNAPSHOT
14-02-2023 22:57
                     <DIR>
14-02-2023 22:57
                     <DTR>
                              2,431 java-1.0-SNAPSHOT.jar
14-02-2023 22:57
14-02-2023 16:14
14-02-2023 22:57
                              2,713 java-1.0-SNAPSHOT.pom
                                690 maven-metadata-local.xml
14-02-2023 22:57
                                192 _remote.repositories
               4 File(s)
                                 6,026 bytes
               2 Dir(s) 29,837,864,960 bytes free
C:\Users\akkis\.m2\repository\wissen\java\1.0-SNAPSHOT>dir *.jar
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\Users\akkis\.m2\repository\wissen\java\1.0-SNAPSHOT
                              2,431 java-1.0-SNAPSHOT.jar
14-02-2023 22:57
                                 2,431 bytes
               1 File(s)
               0 Dir(s) 29,838,528,512 bytes free
C:\Users\akkis\.m2\repository\wissen\java\1.0-SNAPSHOT>jar -xvf java-1.0-SNAPSHOT.jar
 inflated: META-INF/MANIFEST.MF
  created: META-INF/
  created: wissen/
  created: META-INF/maven/
  created: META-INF/maven/wissen/
  created: META-INF/maven/wissen/java/
 inflated: wissen/App.class
 inflated: META-INF/maven/wissen/java/pom.xml
 inflated: META-INF/maven/wissen/java/pom.properties
C:\Users\akkis\.m2\repository\wissen\java\1.0-SNAPSHOT>java wissen.App
mvn install copies the jar file in local repository!
C:\Users\akkis\.m2\repository\wissen\java\1.0-SNAPSHOT>
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java
14-02-2023 23:07
                     <DIR>
14-02-2023
           16:14
                     <DIR>
14-02-2023
           16:14
                              2,713 pom.xml
14-02-2023 16:14
                     <DTR>
                                    src
               1 File(s)
                                  2,713 bytes
               3 Dir(s) 29,836,283,904 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java>
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java>mvn compile
[INFO] Scanning for projects..
[INFO]
[INFO]
[INFO]
        Building java 1.0-SNAPSHOT
[INFO]
          from pom.xml
                                          -----[ jar ]-----
[INFO]
[INFO]
[INFO] --- resources:3.0.2:resources (default-resources) @ java ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory C:\java\apache-maven-3.9.0\bin\maven1\java\src\main\resources
[INFO]
[INFO]
              compiler:3.8.0:compile (default-compile) @ java -
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 1 source file to C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes
[TNFO]
        BUILD SUCCESS
[INFO]
[INFO]
        Total time: 1.355 s
Finished at: 2023-02-14T23:11:26+05:30
[INFO]
[INFO]
[INFO]
C:\java\apache-maven-3.9.0\bin\maven1\java>dir
Volume in drive C is Windows
Volume Serial Number is 1287-A014
Directory of C:\java\apache-maven-3.9.0\bin\maven1\java
14-02-2023 23:11
                           <DIR>
14-02-2023 16:14
                           <DIR>
14-02-2023 16:14
                                      2,713 pom.xml
                           <DIR>
14-02-2023 16:14
                                               src
14-02-2023 23:11
                           <DIR>
                                               target
                   1 File(s) 2,713 bytes
4 Dir(s) 29,831,225,344 bytes free
```

```
C:\java\apache-maven-3.9.0\bin\maven1\java>cd target
C:\java\apache-maven-3.9.0\bin\maven1\java\target>cd classes
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>dir
 Volume in drive C is Windows
 Volume Serial Number is 1287-A014
 Directory of C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes
14-02-2023 23:11
                    <DTR>
14-02-2023 23:11
                     <DIR>
14-02-2023 23:11
                     <DIR>
                                    wissen
               0 File(s)
                                     0 bytes
               3 Dir(s) 29,831,622,656 bytes free
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>java wissen.App
mvn install copies the jar file in local repository!
C:\java\apache-maven-3.9.0\bin\maven1\java\target\classes>
```

Architecture of Maven ITocal Repositsy For sels doonboded Maren & a build tool Javac. exe - bin director of java - g Conf Java, exe - execute the Java progr Mavent - builden your prog, downloading the gas fles. 1) will do worload the jor file which an required montes will delete the make a build target devectory.

Specisty what are the jon files I need the project - s form. xml - s dependencies seation GR which is repo (as contration repo from xml - we can specify what one the jar filey to be downland. D get the Code 2) build the code & makes the final joer/woor file. 3) downlass the reguled jar files. 4) run unit test Cosy s) deploy the jon like in a specific 8) Specify which jok do you want buse Script @ built tool - mavour

Colly path path = % poth %; director of I'm means Current path is equal to My existing path. It spick stat of group id: Company Nam - wither - to artifact id: project Dame - Java d version. 1.0 of description and after that it will get ento A package name; pom. Kml validate + Coup! le + Unit + mon package + mon install - validate + Coup! le + Unit + mon package + mun Compile - min validate + Compilation men test - men validatil + ran unicret director + , o structure. my compile. mun package men votale + novn Compile + mun chat when start + jan bile will chart gu stands of at place at taget