

Mvn -v -> Shows the version of maven

Apache Maven 3.8.6 (84538c9988a25aec085021c365c560670ad80f63)

mvn -h -> Help for maven commands

mvn clean -> It ensures that the target folder created during the compilation of the project is deleted.

```
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.example:HW2_SiparisUygulamasi >-----
[INFO] Building HW2_SiparisUygulamasi 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ HW2_SiparisUygulamasi ---
[INFO] Deleting
C:\Users\musta\OneDrive\Masaüstü\DefineX\HW2_SiparisUygulamasi\target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.179 s
[INFO] Finished at: 2023-02-03T00:53:07+03:00
[INFO] -----
```

mvn validate -> It deletes the target file of the project and then scans for the bad parts.

```
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.example:HW2_SiparisUygulamasi >-----
[INFO] Building HW2_SiparisUygulamasi 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.055 s
[INFO] Finished at: 2023-02-03T00:54:10+03:00
[INFO] -----
```

mvn compile -> It cleans and validates the project, then compiles it.

```
[INFO] Scanning for projects...
[INFO]
[INFO] -----< org.example:HW2_SiparisUygulamasi >-----
[INFO] Building HW2_SiparisUygulamasi 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @
HW2_SiparisUygulamasi ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @
HW2_SiparisUygulamasi ---
[INFO] Changes detected - recompiling the module!
[INFO] Compiling 29 source files to
C:\Users\musta\OneDrive\Masaüstü\DefineX\HW2_SiparisUygulamasi\target\classes
[WARNING]
/C:/Users/musta/OneDrive/Masaüstü/DefineX/HW2_SiparisUygulamasi/src/main/java/org/H
w2/service/impl/BillServiceImpl.java:
C:\Users\musta\OneDrive\Masaüstü\DefineX\HW2_SiparisUygulamasi\src\main\java\org\HW
2\service\impl\BillServiceImpl.java uses or overrides a deprecated API.
[WARNING]
/C:/Users/musta/OneDrive/Masaüstü/DefineX/HW2_SiparisUygulamasi/src/main/java/org/H
w2/service/impl/BillServiceImpl.java: Recompile with -Xlint:deprecation for
details.
[INFO]
[INFO] BUILD SUCCESS
[INFO] -----
```

```
[INFO] Total time: 1.927 s
[INFO] Finished at: 2023-02-03T00:55:19+03:00
[INFO] -----
```

mvn test -> Builds the project and runs the test classes.

```
[INFO] Scanning for projects...
[INFO] -----< org.example:HW2_SiparisUygulamasi >-----
[INFO] Building HW2_SiparisUygulamasi 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @
HW2_SiparisUygulamasi ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @
HW2_SiparisUygulamasi ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @
HW2_SiparisUygulamasi ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory
C:\Users\musta\OneDrive\Masaüstü\DefineX\HW2_SiparisUygulamasi\src\test\resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @
HW2_SiparisUygulamasi ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ HW2_SiparisUygulamasi
---
[INFO] No tests to run.
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.531 s
[INFO] Finished at: 2023-02-03T00:56:14+03:00
[INFO] -----
```

mvn package -> It tests the project and if there are no errors, it packs the compiled code in the project. (JAR, WAR or EAR)

```
[INFO] Scanning for projects...
[INFO] -----< org.example:HW2_SiparisUygulamasi >-----
[INFO] Building HW2_SiparisUygulamasi 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @
HW2_SiparisUygulamasi ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @
HW2_SiparisUygulamasi ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @
HW2_SiparisUygulamasi ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory
C:\Users\musta\OneDrive\Masaüstü\DefineX\HW2_SiparisUygulamasi\src\test\resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @
HW2_SiparisUygulamasi ---
[INFO] Nothing to compile - all classes are up to date
```

```

[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ HW2_SiparisUygulamasi
---
[INFO] No tests to run.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ HW2_SiparisUygulamasi ---
[INFO] Building jar:
C:\Users\musta\OneDrive\Masaüstü\DefineX\HW2_SiparisUygulamasi\target\HW2_SiparisUygulamasi-1.0-SNAPSHOT.jar
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.754 s
[INFO] Finished at: 2023-02-03T00:57:17+03:00
[INFO] -----

```

mvn verify -> It packages the project and then checks the validity of those packages.

```

[INFO] Scanning for projects...
[INFO] -----< org.example:HW2_SiparisUygulamasi >-----
[INFO] Building HW2_SiparisUygulamasi 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @
HW2_SiparisUygulamasi ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @
HW2_SiparisUygulamasi ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @
HW2_SiparisUygulamasi ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory
C:\Users\musta\OneDrive\Masaüstü\DefineX\HW2_SiparisUygulamasi\src\test\resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @
HW2_SiparisUygulamasi ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ HW2_SiparisUygulamasi
---
[INFO] No tests to run.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ HW2_SiparisUygulamasi ---
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.654 s
[INFO] Finished at: 2023-02-03T00:58:18+03:00
[INFO] -----

```

mvn install -> After verifying the project, it uploads it to the local repository.

```

[INFO] Scanning for projects...
[INFO] -----< org.example:HW2_SiparisUygulamasi >-----
[INFO] Building HW2_SiparisUygulamasi 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @
HW2_SiparisUygulamasi ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO]

```

```

[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @
Hw2_SiparisUygulaması ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @
Hw2_SiparisUygulaması ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory
C:\Users\musta\OneDrive\Masaüstü\DefineX\Hw2_SiparisUygulaması\src\test\resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @
Hw2_SiparisUygulaması ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ Hw2_SiparisUygulaması
---
[INFO] No tests to run.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ Hw2_SiparisUygulaması ---
[INFO] --- maven-install-plugin:2.4:install (default-install) @
Hw2_SiparisUygulaması ---
[INFO] Installing
C:\Users\musta\OneDrive\Masaüstü\DefineX\Hw2_SiparisUygulaması\target\Hw2_SiparisUy
gulaması-1.0-SNAPSHOT.jar to
C:\Users\musta\.m2\repository\org\example\Hw2_SiparisUygulaması\1.0-
SNAPSHOT\Hw2_SiparisUygulaması-1.0-SNAPSHOT.jar
[INFO] Installing
C:\Users\musta\OneDrive\Masaüstü\DefineX\Hw2_SiparisUygulaması\pom.xml to
C:\Users\musta\.m2\repository\org\example\Hw2_SiparisUygulaması\1.0-
SNAPSHOT\Hw2_SiparisUygulaması-1.0-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.787 s
[INFO] Finished at: 2023-02-03T00:59:56+03:00
[INFO] -----

```

## mvn deploy

```

[INFO] Scanning for projects...
[INFO] -----< org.example:Hw2_SiparisUygulaması >-----
[INFO] Building Hw2_SiparisUygulaması 1.0-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @
Hw2_SiparisUygulaması ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] Copying 1 resource
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @
Hw2_SiparisUygulaması ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @
Hw2_SiparisUygulaması ---
[INFO] Using 'UTF-8' encoding to copy filtered resources.
[INFO] skip non existing resourceDirectory
C:\Users\musta\OneDrive\Masaüstü\DefineX\Hw2_SiparisUygulaması\src\test\resources
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @
Hw2_SiparisUygulaması ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ Hw2_SiparisUygulaması
---
[INFO] No tests to run.
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ Hw2_SiparisUygulaması ---
[INFO] --- maven-install-plugin:2.4:install (default-install) @
Hw2_SiparisUygulaması ---

```

```

[INFO] Installing
C:\Users\musta\OneDrive\Masaüstü\DefineX\HW2_SiparisUygulaması\target\HW2_SiparisUygulaması-1.0-SNAPSHOT.jar to
C:\Users\musta\.m2\repository\org\example\HW2_SiparisUygulaması\1.0-SNAPSHOT\HW2_SiparisUygulaması-1.0-SNAPSHOT.jar
[INFO] Installing
C:\Users\musta\OneDrive\Masaüstü\DefineX\HW2_SiparisUygulaması\pom.xml to
C:\Users\musta\.m2\repository\org\example\HW2_SiparisUygulaması\1.0-SNAPSHOT\HW2_SiparisUygulaması-1.0-SNAPSHOT.pom
[INFO]
[INFO] --- maven-deploy-plugin:2.7:deploy (default-deploy) @ HW2_SiparisUygulaması ---
[INFO] -----
[INFO] BUILD FAILURE
[INFO] -----
[INFO] Total time: 0.770 s
[INFO] Finished at: 2023-02-03T01:00:33+03:00
[INFO] -----
[ERROR] Failed to execute goal org.apache.maven.plugins:maven-deploy-plugin:2.7:deploy (default-deploy) on project HW2_SiparisUygulaması: Deployment failed: repository element was not specified in the POM inside distributionManagement element or in -DaltDeploymentRepository=id::layout::url parameter -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1]
http://cwiki.apache.org/confluence/display/MAVEN/MojoExecutionException

```

mvn site -> Produces documentation of the project.