

# Maven Cheat Sheet for SDETs

Maven cheat sheet for Software Development Engineers in Test (SDETs) with 3-5 years of experience. This cheat sheet covers key Maven concepts and commands to help you .

## 1. Create a New Maven Project:

```
mvn archetype:generate -DgroupId=com.example -DartifactId=myproject  
-DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false
```

## 2. Build a Project:

```
mvn clean install
```

## 3. Running Tests:

```
mvn test
```

## 4. Adding Dependencies in `pom.xml`:

```
xml  
<dependencies>  
  <dependency>  
    <groupId>group-id</groupId>  
    <artifactId>artifact-id</artifactId>  
    <version>version</version>  
  </dependency>  
</dependencies>
```

## 5. Specifying Plugin in `pom.xml`:

```
xml  
<build>  
  <plugins>  
    <plugin>  
      <groupId>group-id</groupId>  
      <artifactId>artifact-id</artifactId>  
      <version>version</version>  
    </plugin>  
  </plugins>
```

</build>

## 6. Running a Specific Test:

mvn -Dtest=TestClassName test

## 7. Skipping Tests during Build:

mvn install -DskipTests

## 8. Running Maven in Offline Mode:

mvn clean install -o

## 9. Generating Project Documentation:

mvn site

## 10. Creating a New Maven Module (Subproject):

mvn archetype:generate -DgroupId=com.example -DartifactId=subproject  
-DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false

## 11. Viewing Dependency Tree:

`mvn dependency:tree

## 12. Building Without Tests:

mvn clean install -DskipTests

## 13. Creating a Maven Project with Custom Archetype:

mvn archetype:generate -DarchetypeGroupId=mygroup -DarchetypeArtifactId=myarchetype

## 14. Executing Goals in a Specific Phase:

mvn <phase>:<goal>

## 15. Running a Maven Build with Profiles:

mvn clean install -PprofileName

## 16. Updating Snapshots:

```
mvn clean install -U
```

## 17. Display Effective POM:

```
mvn help:effective-pom
```

## 18. Using a Specific Maven Version:

```
mvn -version
```

## 19. Cleaning Project:

```
mvn clean
```