## **JUnit 5 Dependencies**

This lesson explains dependencies required to create and run Junit 5 Test cases in Maven.

WE'LL COVER THE FOLLOWING ^

Maven Dependencies

## Maven Dependencies

Now, that our Java Maven project is created, we have to make a couple of changes in the pom.xml file. Expand *junit5-maven-starter* project and open the pom.xml file in IDE. Apply the changes as provided in below XML:-

```
pom.xml
cproject xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchen
 <modelVersion>4.0.0</modelVersion>
 <groupId>com.hubberspot
 <artifactId>junit5-maven-starter</artifactId>
 <version>0.0.1-SNAPSHOT</version>
 cproperties>
              <maven.compiler.source>1.8</maven.compiler.source>
              <maven.compiler.target>${maven.compiler.source}</maven.compiler.target>
              <junit.jupiter.version>5.3.2</junit.jupiter.version>
       </properties>
       <dependencies>
              <dependency>
                      <groupId>org.junit.jupiter</groupId>
                      <artifactId>junit-jupiter-api</artifactId>
                      <version>${junit.jupiter.version}</version>
                      <scope>test</scope>
              </dependency>
              <dependency>
                      <groupId>org.junit.jupiter</groupId>
                      <artifactId>junit-jupiter-engine</artifactId>
                      <version>${junit.jupiter.version}</version>
                      <scope>test</scope>
              </dependency>
```

In order to kick start Junit 5 in Maven, following three dependencies/plugins are required -

- **1. junit-jupiter-api** This dependency is required because it defines the API that we need to write Junit 5 tests.
- **2. junit-jupiter-engine** This dependency is required because it is the implementation of the junit-platform-engine API for JUnit 5. It is responsible for the discovery and execution of Junit 5 tests.
- **3. maven-surefire-plugin** This plugin is required because it is needed for tests to be executed during the maven build.

It also requires Java 8 or higher versions.

There are few more dependencies required to run JUnit 4 test cases along with Junit 5, also writing parameterized tests etc. We will discuss more on this in the respective lesson.