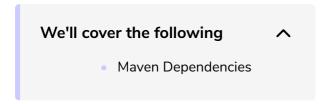# JUnit 5 Dependencies

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

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:-

```
XML  pom.xml
```

```xml
1  <project xmlns="http://maven.ap
2     <modelVersion>4.0.0</modelVer
3     <groupId>com.hubberspot</grou
4     <artifactId>junit5-maven-star
5     <version>0.0.1-SNAPSHOT</vers
6
7     <properties>
8         <project.build.sourceE
9         <maven.compiler.source
10        <maven.compiler.target
11
12        <junit.jupiter.version
13    </properties>
14
15    <dependencies>
16
17        <dependency>
18            <groupId>org.junit
19            <artifactId>junit-j
20            <version>${junit.ju
21            <scope>test</scope
22        </dependency>
23
24        <dependency>
25            <groupId>org.junit
26            <artifactId>junit-j
27            <version>${junit.ju
28            <scope>test</scope
```

```
29              </dependency>
30
31      </dependencies>
```

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.