[Junit With Maven](https://cognizant.tekstac.com/mod/vpl/view.php?id=7067)

**Grade settings**: Maximum Grade: 100  
**Based on**: [Junit With Maven](https://cognizant.tekstac.com/mod/vpl/view.php?id=7067)  
**Run**: Yes **Save**: Yes **Evaluate**: Yes  
**Automatic grade**: Yes **Maximum memory used**: 512 MiB

**Objective:**

To learn how to integrate and run Junit test using maven.

**Procedure to be followed:**

1. In pom.xml file create a project element. In project element create default elements such as modelVersion, groupId, artifactId, packaging, version, name for project.

2. Create an element build, inside build create sourceDirectory element and denote source directory in it and plugin known maven-surefire-plugin.

3. Then add junit dependencies such as junit 4.12, hamcrest-core, hamcrest-library 1.3.

**Example:**

. . . . . .

<dependencies>

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId><version>4.12</version>

<exclusions>

<exclusion> <groupId>org.hamcrest</groupId> <artifactId>hamcrest-core</artifactId> </exclusion> </exclusions>

</dependency>

<dependency>

<groupId>org.hamcrest</groupId>

<artifactId>hamcrest-library</artifactId>

<version>1.3</version>

</dependency>

</dependencies>

. . . . .

*From the run the newly created directory, we must be able to run the following maven lifecycle to this project like****"mvn clean, mvn install, mvn compile, mvn test".***