

## Q4

- Dependencies with maven dependency scope test are needed to compile and run the unit tests.
- Dependencies with maven dependency scope runtime are not needed to build, but are part of the classpath to test and run the project.
- Maven dependency scope provided is used during build and test the project.
- Dependencies with compile scope are needed to build, test, and run the project.



```
1 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
2   <modelVersion>4.0.0</modelVersion>
3   <groupId>Q4_Maven</groupId>
4   <artifactId>Q4</artifactId>
5   <version>0.0.1-SNAPSHOT</version>
6   <dependencies>
7     <dependency>
8       <groupId>junit</groupId>
9       <artifactId>junit</artifactId>
10      <version>4.12</version>
11      <scope>test</scope>
12    </dependency>
13    <dependency>
14      <groupId>com.thoughtworks.xstream</groupId>
15      <artifactId>xstream</artifactId>
16      <version>1.4.4</version>
17      <scope>runtime</scope>
18    </dependency>
19    <dependency>
20      <groupId>javax.servlet</groupId>
21      <artifactId>javax.servlet-api</artifactId>
22      <version>4.0.1</version>
23      <scope>provided</scope>
24    </dependency>
25    <dependency>
26      <groupId>org.apache.logging.log4j</groupId>
27      <artifactId>log4j-core</artifactId>
28      <version>2.17.1</version>
29      <scope>compile</scope>
30    </dependency>
31  </dependencies>
32</project>
```