

# Basic Spring Project - Eclipse

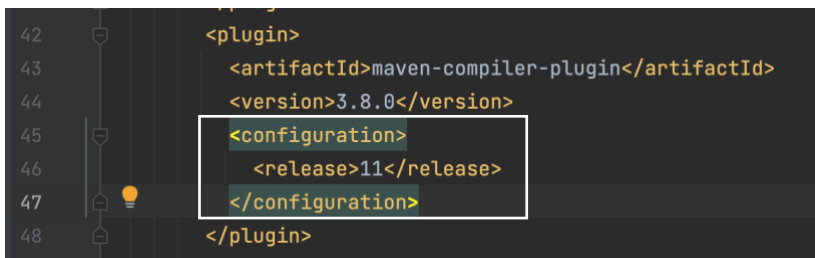
1. Create a folder springworkspace within Phase 3 folder: Open eclipse with this new workspace.
2. Create a QuickStart Maven Project with following entries:  
groupid : com.demo  
artifact id: springcoredemo
3. Once the project is created update the java version in pom.xml file as follows:
4. For JDK 9 and beyond : Update the version and also update the compiler plugin as follows:

```
<java.version>17</java.version>
```



```
14
15 <properties>
16   <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
17   <java.version>11</java.version>
18 </properties>
```

5. To update the compiler plugin , add release as shown below:



```
42 <plugin>
43   <artifactId>maven-compiler-plugin</artifactId>
44   <version>3.8.0</version>
45   <configuration>
46     <release>11</release>
47   </configuration>
48 </plugin>
```

If the above plugin is not there, then add it as shown below within the <build> tag.

**The <build> tag will be in the last just before the closing </project> tag**

```
<build>
  <pluginManagement>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
        <artifactId>maven-compiler-plugin</artifactId>
        <version>3.13.0</version>
        <configuration>
          <release>17</release>
        </configuration>
      </plugin>
    </plugins>
  </pluginManagement>
</build>
```

6. Next step is to add below in properties tag:  
<spring.version>5.3.23</spring-version>

7. Add below within dependencies tag and save the file

```
<dependency>  
  <groupId>org.springframework</groupId>  
  <artifactId>spring-context</artifactId>  
  <version>${spring.version}</version>  
</dependency>
```

8. Run the main method within App.java file. If you get Hello World without errors the project is ready to learn SPRING!!!