

JDK 1.7

<http://www.oracle.com/technetwork/java/javase/downloads/java-archive-downloads-javase7-521261.html>

JDK 1.8

<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

Eclipse: DOWNLOAD JAVA EE VERSION

Kepler :

<http://www.eclipse.org/downloads/packages/eclipse-ide-java-ee-developers/keplerr>

Luna:

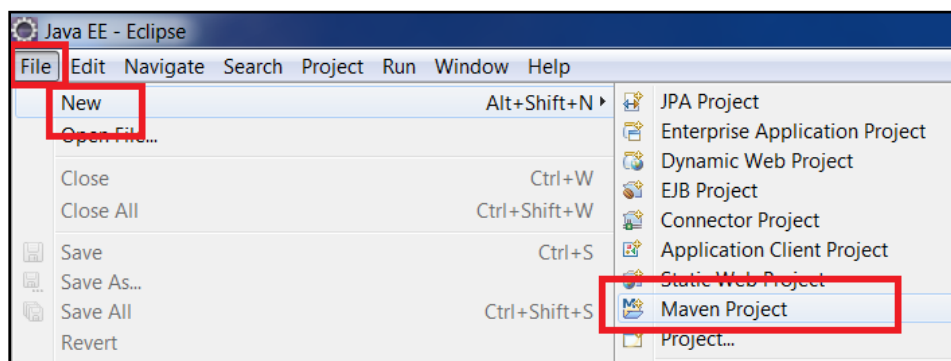
<http://www.eclipse.org/downloads/packages/release/Luna/SR2>

Marse :

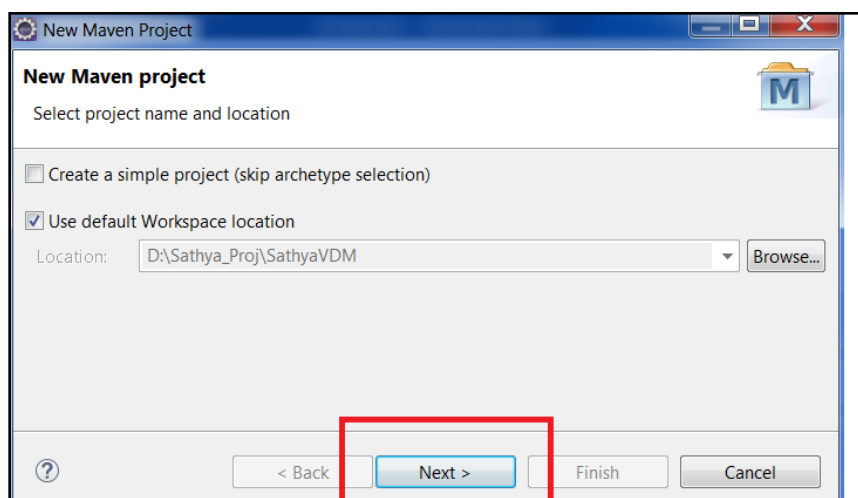
<http://www.eclipse.org/downloads/packages/release/Mars/2>

Create one new maven web project:

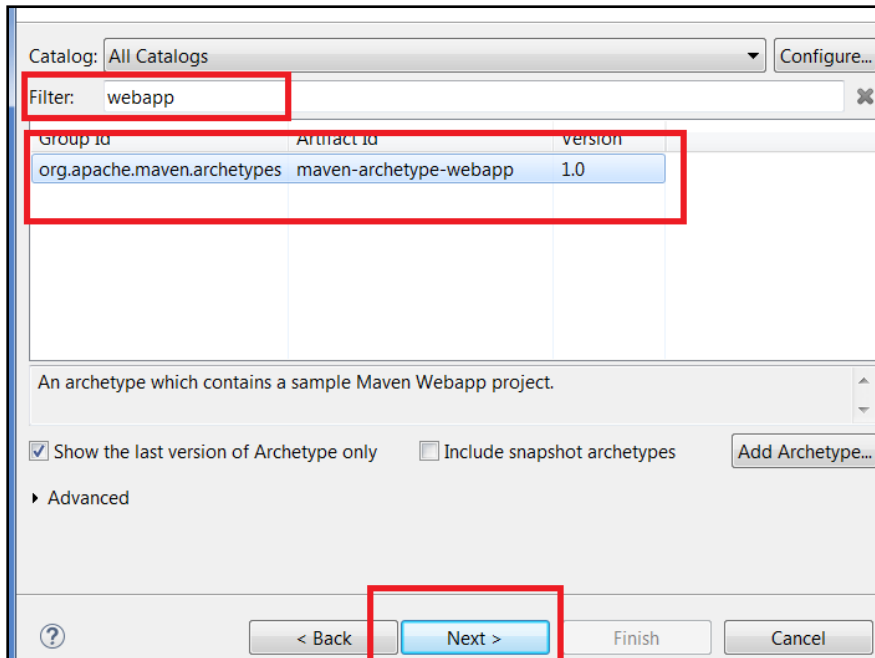
File => new=> Maven Project



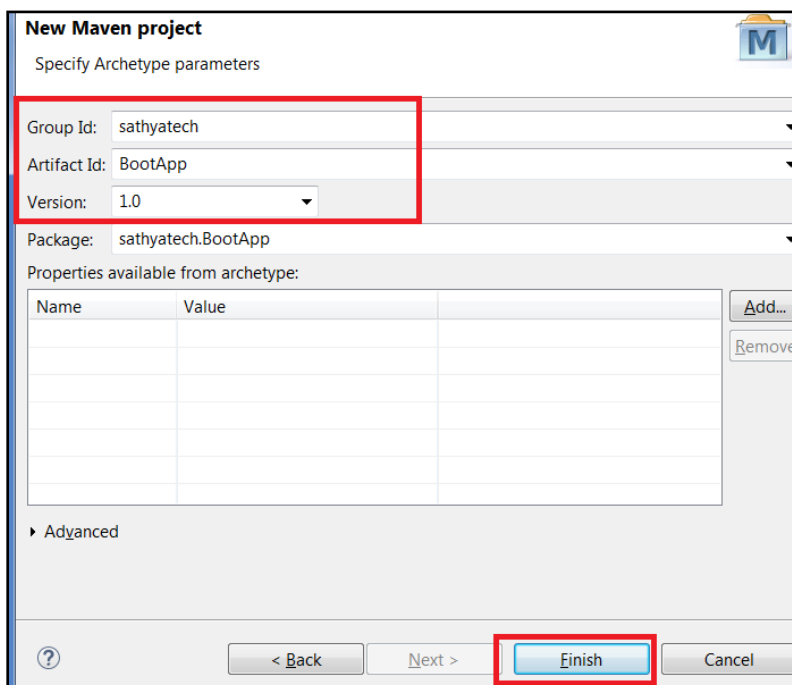
click on next button



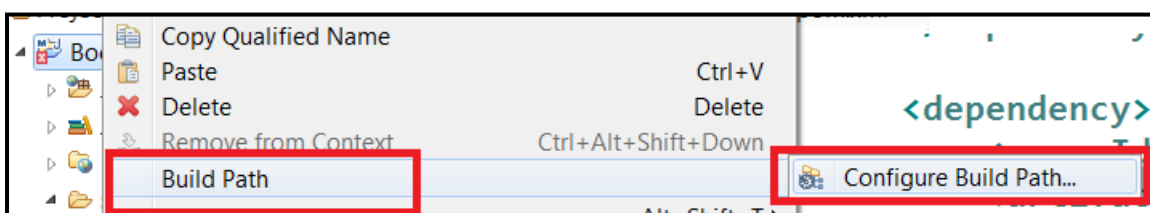
search with webapp and choose "maven-archtype-webapp" , click next



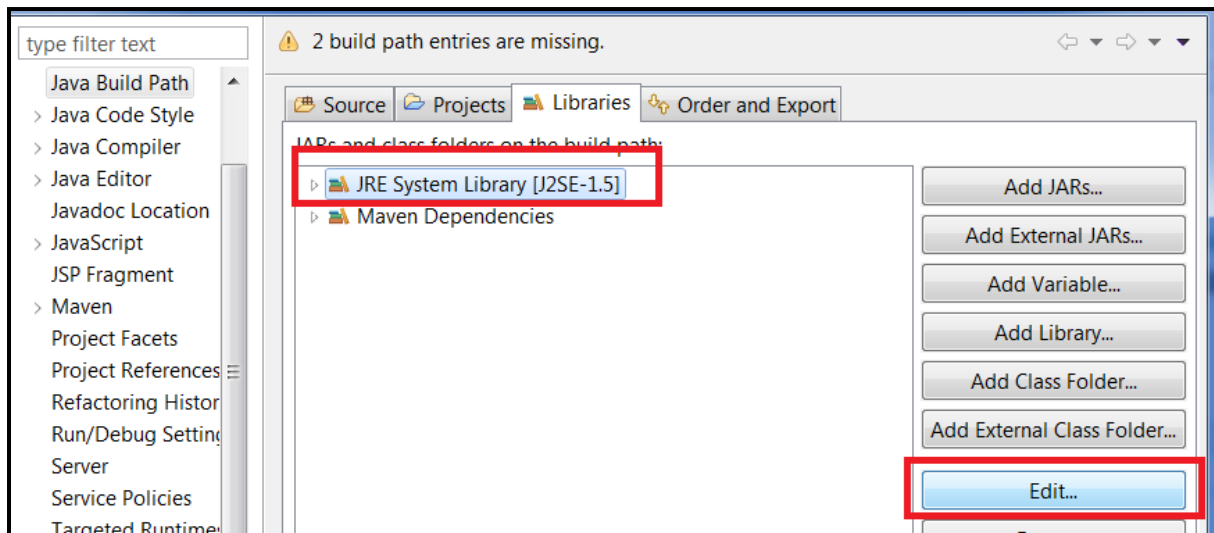
Enter Details in group Id, Artifact Id and version then click finish.



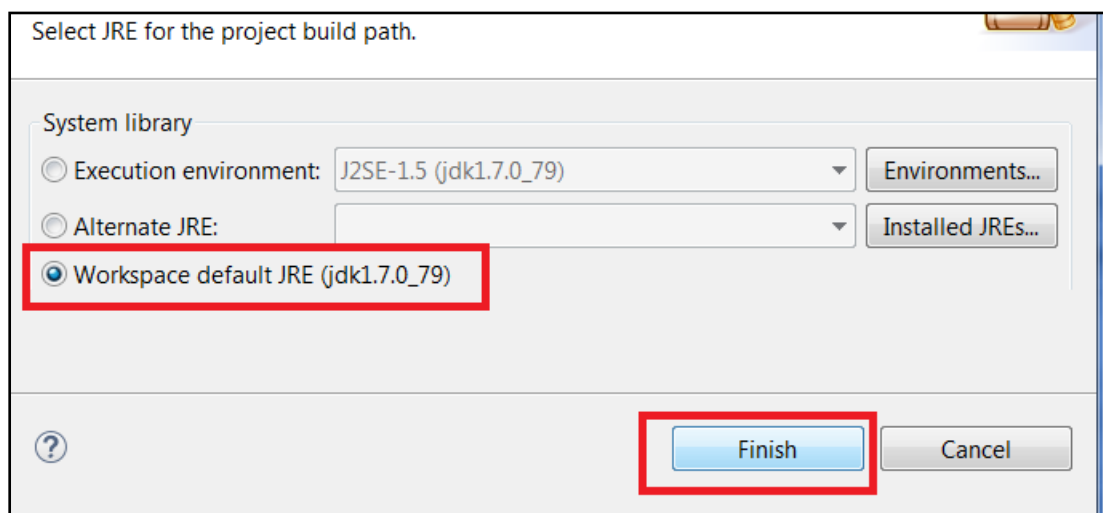
Update JDK Details to project: Right click on project > build path > configure Build path



choose JRE System Library and click on edit



choose work space or any other updated JRE click on finish



add details in pom.xml under <project> tag (copy only selected lines code)

```
<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/maven-v4_0_0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>sathyatech</groupId>
  <artifactId>BootTest</artifactId>
  <packaging>war</packaging>
  <version>1.0</version>
  <name>BootTest Maven Webapp</name>
  <url>http://maven.apache.org</url>
  <parent>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-parent</artifactId>
    <version>1.5.4.RELEASE</version>
    <relativePath/> <!-- lookup parent from repository -->
```

```
</parent>

<properties>
  <java.version>1.7</java.version>
</properties>

<dependencies>
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-web</artifactId>
  </dependency>

  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-test</artifactId>
    <scope>test</scope>
  </dependency>

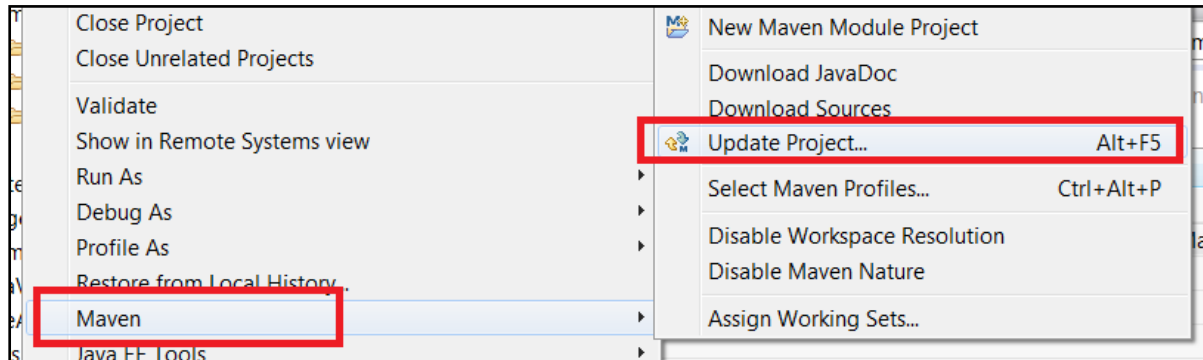
  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-tomcat</artifactId>
  </dependency>
  <!-- JSTL -->
  <dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>jstl</artifactId>
  </dependency>
  <!-- To compile JSP files -->
  <dependency>
    <groupId>org.apache.tomcat.embed</groupId>
    <artifactId>tomcat-embed-jasper</artifactId>
  </dependency>

  <dependency>
    <groupId>org.springframework.boot</groupId>
    <artifactId>spring-boot-starter-data-jpa</artifactId>
  </dependency>
  <dependency>
    <groupId>mysql</groupId>
    <artifactId>mysql-connector-java</artifactId>
    <scope>runtime</scope>
  </dependency>
</dependencies>

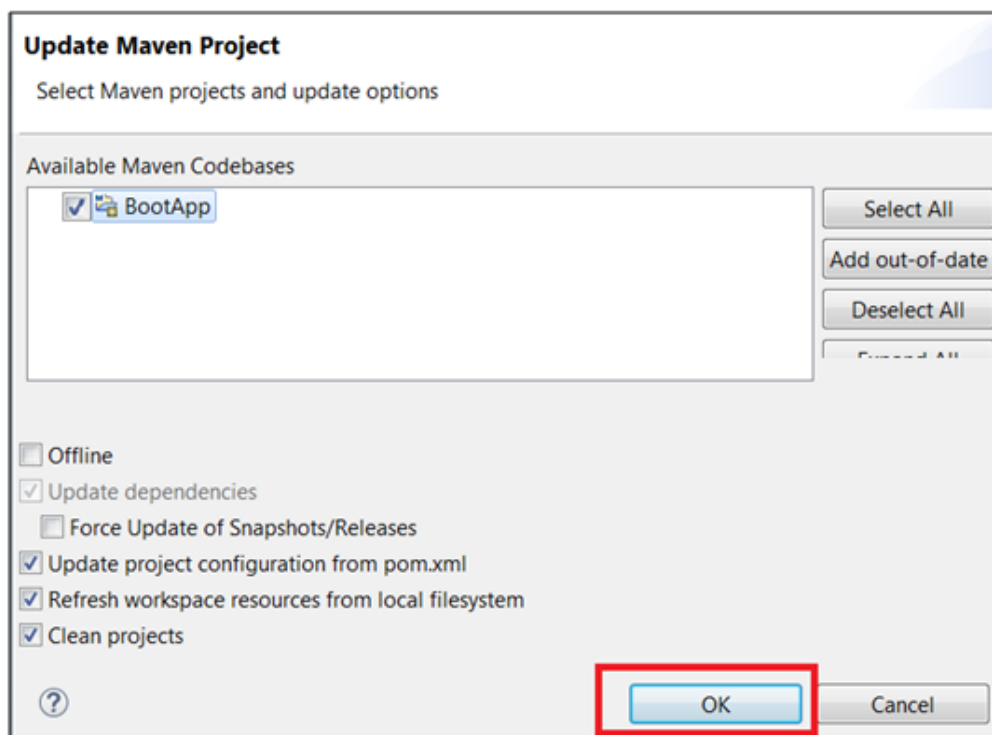
<build>
  <plugins>
    <plugin>
      <groupId>org.springframework.boot</groupId>
```

```
<artifactId>spring-boot-maven-  
plugin</artifactId>  
</plugin>  
</plugins>  
</build>  
</project>
```

update maven project: Right click on Project > maven > Update Project



Click on OK



create application.properties under "src/main/resources".

#Server config

```
server.port=2018
```

##View Resolver

```
spring.mvc.view.prefix=/WEB-INF/views/
```

```
spring.mvc.view.suffix=.jsp
```

```
server.port=2018
```

#DataSource

```
spring.datasource.driver-class-name=com.mysql.jdbc.Driver
```

```
spring.datasource.url=jdbc:mysql://localhost:3306/test
```

```
spring.datasource.username=root
```

```
spring.datasource.password=root
```

#Hibernate

```
spring.jpa.properties.hibernate.dialect=org.hibernate.dialect.MySQLDialect
```

```
spring.jpa.show-sql=true
```

```
spring.jpa.hibernate.ddl-auto=create
```

```
spring.jpa.properties.hibernate.format_sql=true
```

#Connection Pooling- ref PoolProperties

```
spring.datasource.tomcat.initial-size=5
```

```
spring.datasource.tomcat.max-active=20
```

```
spring.datasource.tomcat.max-idle=10
```

```
spring.datasource.tomcat.min-idle=5
```

Create one startup class under src/main/java

```
package com.app;
```

```
import org.springframework.boot.SpringApplication;
```

```
import org.springframework.boot.autoconfigure.SpringBootApplication;
```

```
import org.springframework.data.jpa.repository.config.EnableJpaAuditing;
```

```
@SpringBootApplication
```

```
@EnableJpaAuditing
```

```
public class DemoApplication {
```

```
    public static void main(String[] args) {  
        SpringApplication.run(DemoApplication.class, args);
```

```
    }
```

```
}
```

