JAX-RS demo with STS

Java setup

a). Open a command prompt and type the below instructions:
   setx JAVA_HOME "C:\RestBasic\software\jdk1.8.0_231"
   setx PATH "%PATH%;%JAVA_HOME%\bin"

b). check java version from the command prompt

```
C:\Users\K V Ramana Rao>java -version
java version "1.8.0_231"
Java(TM) SE Runtime Environment (build 1.8.0_231-b11)
Java HotSpot(TM) 64-Bit Server VM (build 25.231-b11, mixed mode)
```

Maven setup

1). Open c:/RestBasic/software/apache-maven-3.6.3/conf/settings.xml and update the below entry at line number 54

```
49    <!-- localRepository
50     | The path to the local repository maven will use to store artifacts.
51     |
52     | Default: ${user.home}/.m2/repository
53     -->
54    <localRepository>C:/RestBasic/m2/repository</localRepository>
```
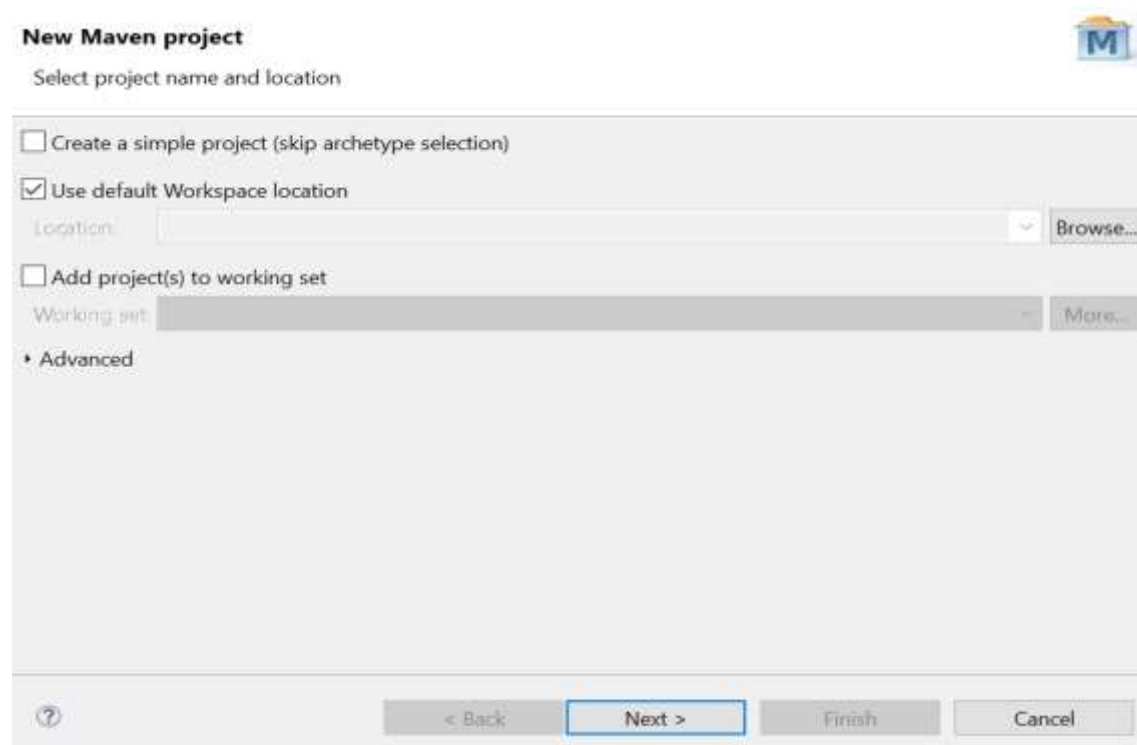
1. On Desktop create a new folder "labs"

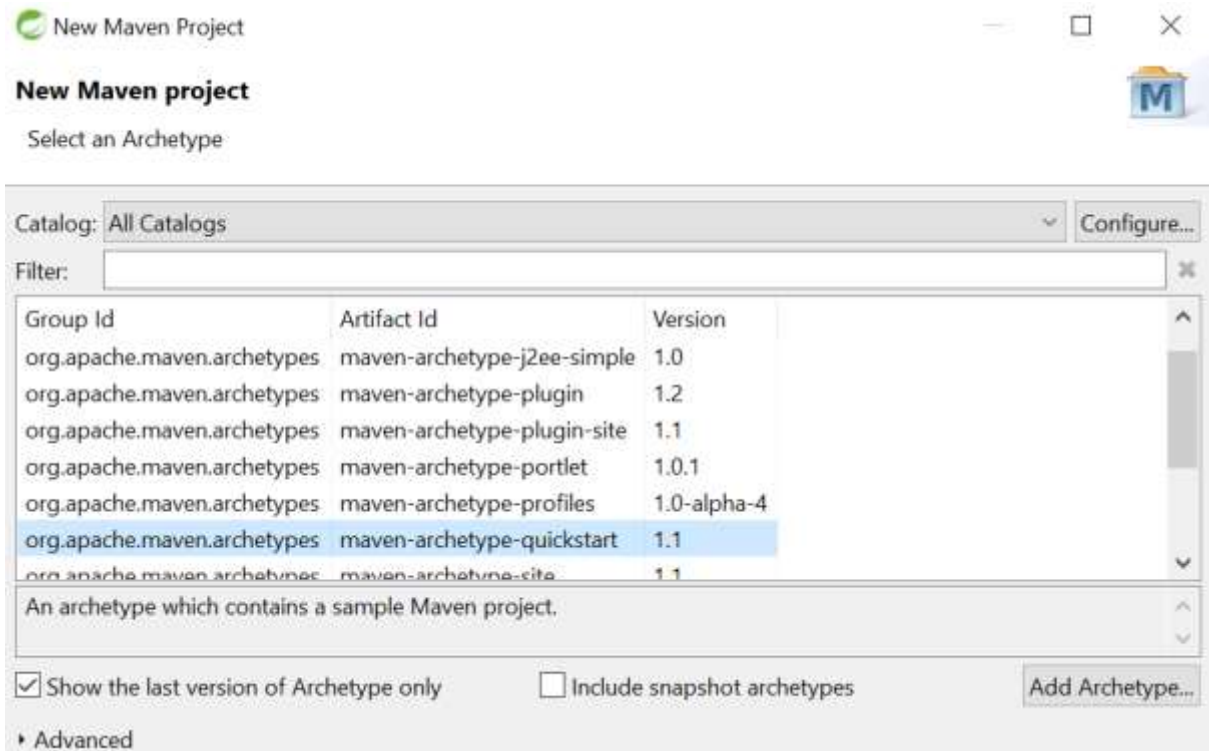2. Open STS -> c:/RestBasic/software/ sts-3.9.11.RELEASE/STS.exe
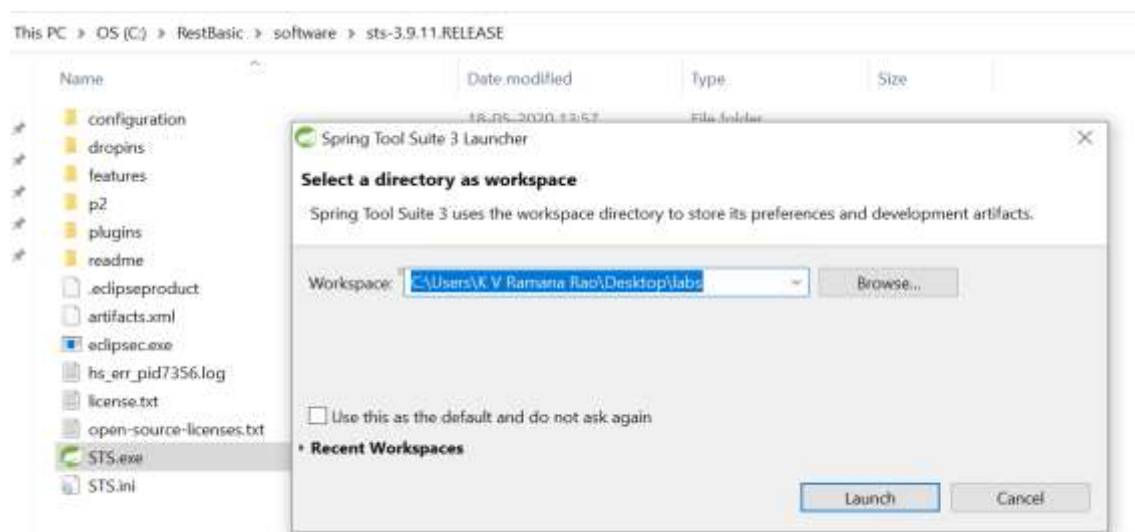
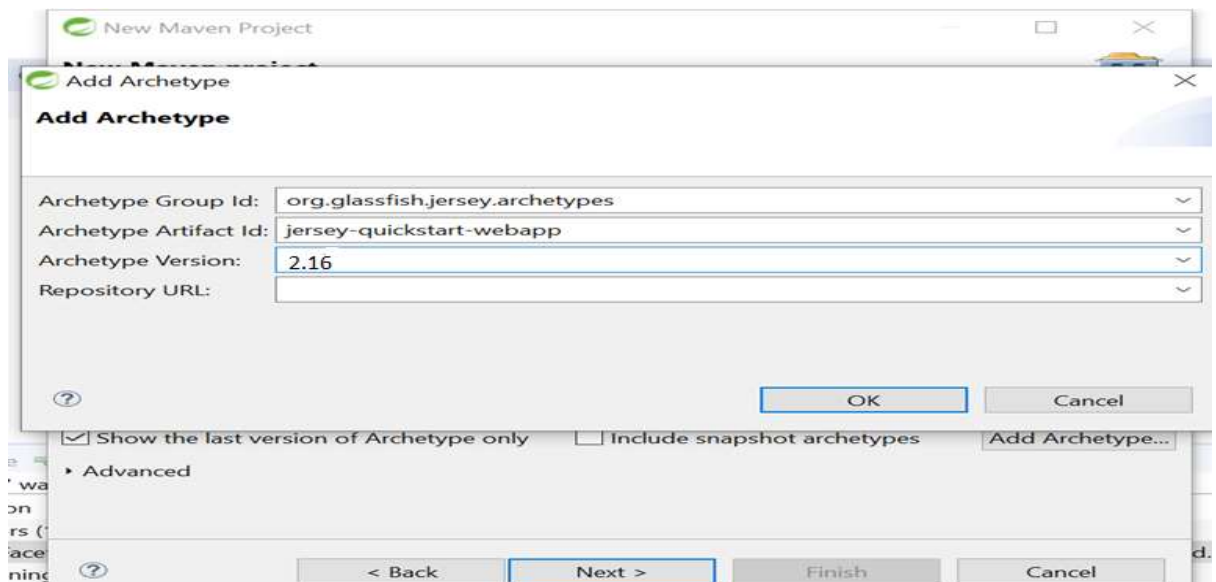3. Set maven repository in STS
   Select window->preferences
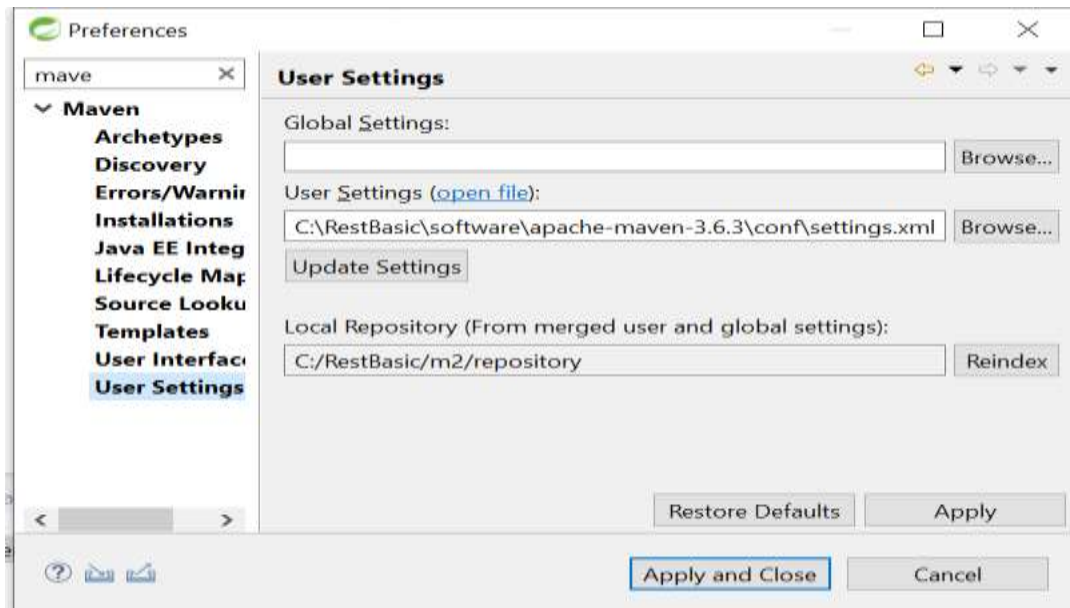
4. Create a new Maven projet

Select File -> New -> Maven project

Select Next

- Select Add Archetype for jersey
  - Group Id: org.glassfish.jersey.archetypes
  - Artifact Id: jersey-quickstart-webapp
  - Version : 2.16
  - Repository URL :   not required

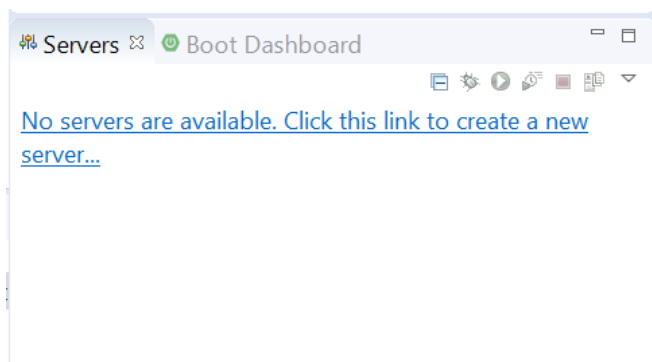Select Finish
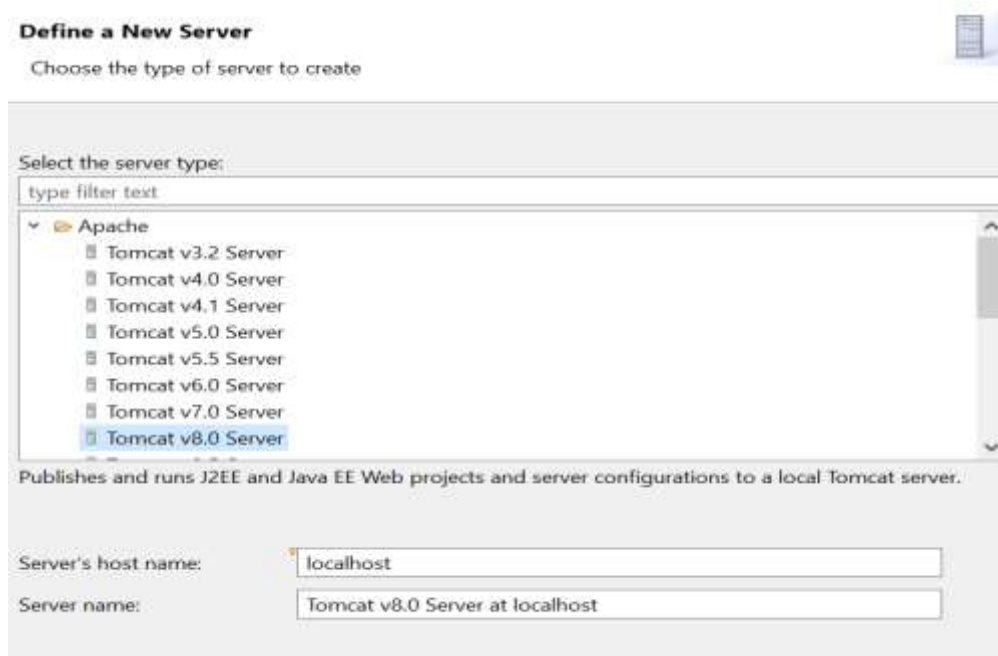
5. Select the project-> RestBasic-> pom.xml
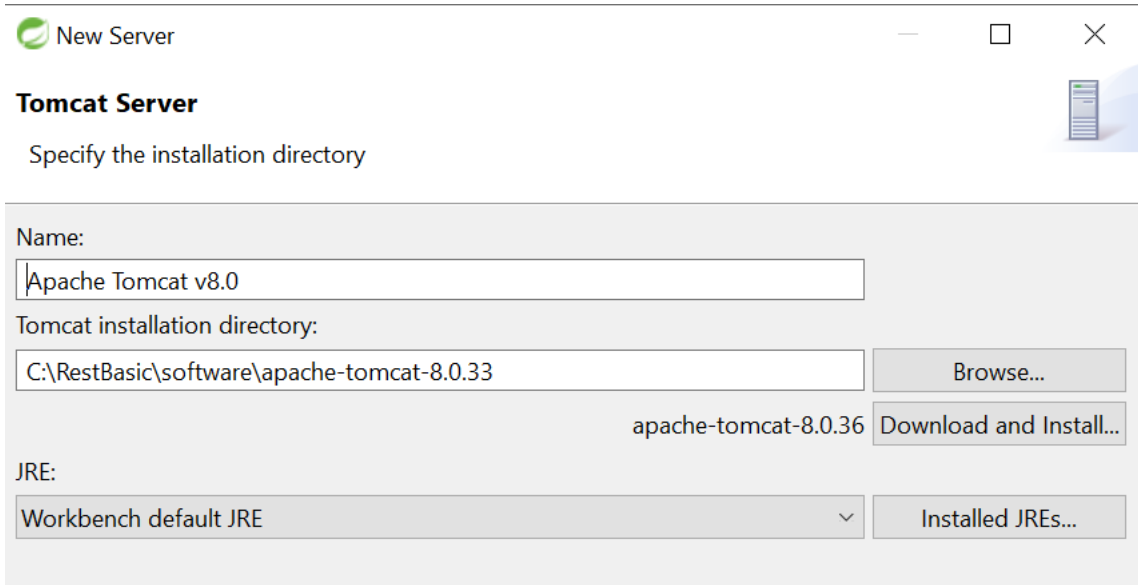   Add the below dependency

```xml
  <dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>javax.servlet-api</artifactId>
    <version>4.0.1</version>
  </dependency>
```

Add tomcat server

Click "No Server are available" link

- ➤ Select Browse - > point to -> C:\RestBasic\software\ apache-tomcat-8.0.33

- ➤ Select Finish button.

- ➤ Double click tomcat server -> server locations -> Use Tomcat installation (takes control of Tomcat Installation)
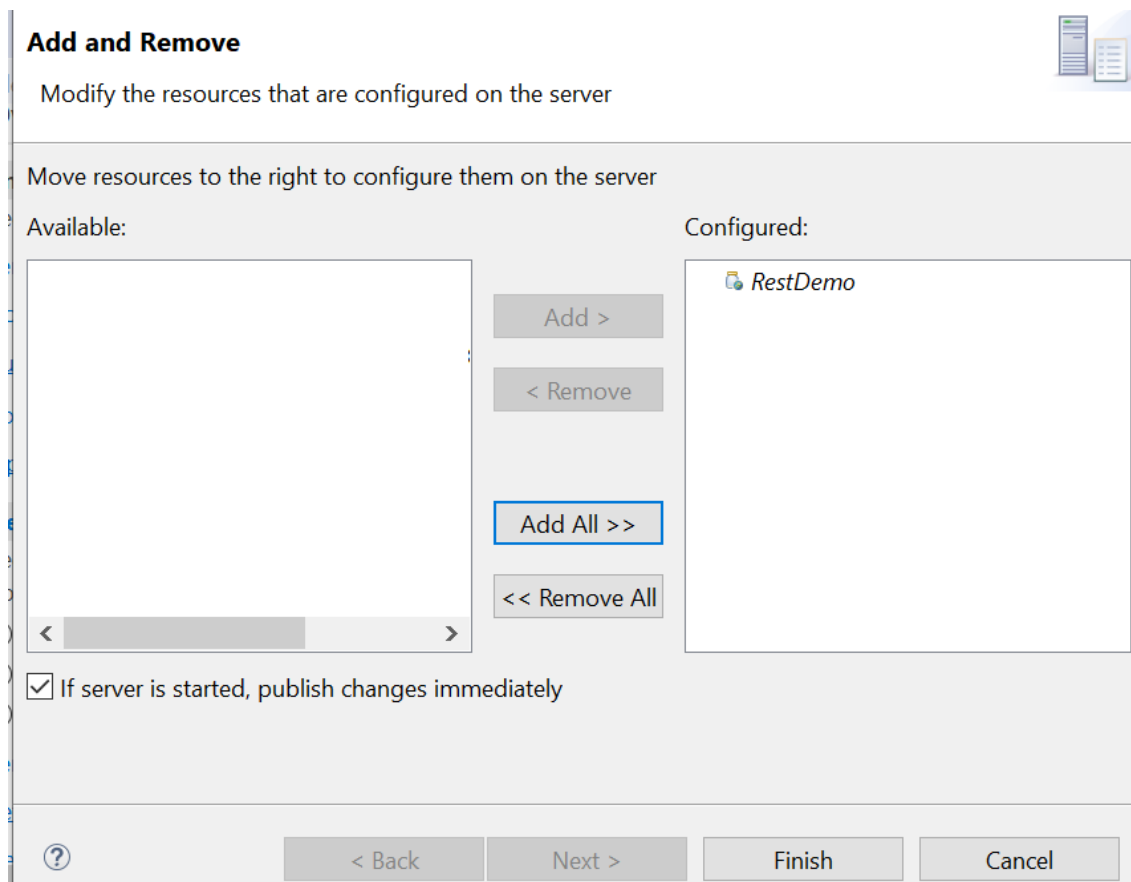
- ➤ Set deploy path to -> C:\RestBasic\software\apache-tomcat-8.0.33\webapps

- ➤ Save the file.

- ➤ Add the project to Tomcat server:

- ➤ Right click the tomcat server -> add the project

Add and Remove

Modify the resources that are configured on the server

Move resources to the right to configure them on the server

Available:

Configured:

    RestDemo

Add >

< Remove

Add All >>

<< Remove All

☑ If server is started, publish changes immediately

?   < Back   Next >   Finish   Cancel

➢ Select Finish.

➢ Start tomcat server.

➢ From browser -> type
http://localhost:8080/RestDemo/webapi/myresource [with Get]

Output :
Got it!