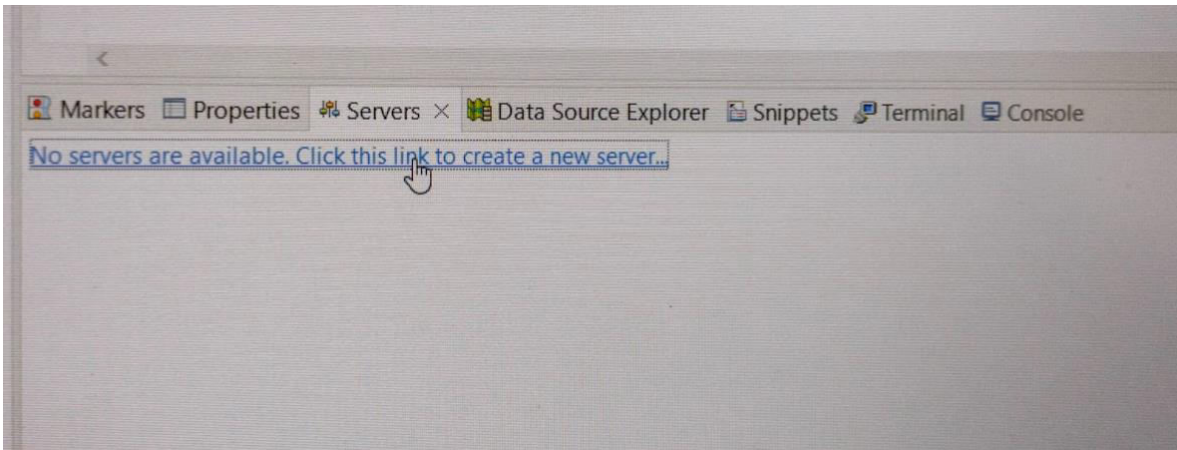
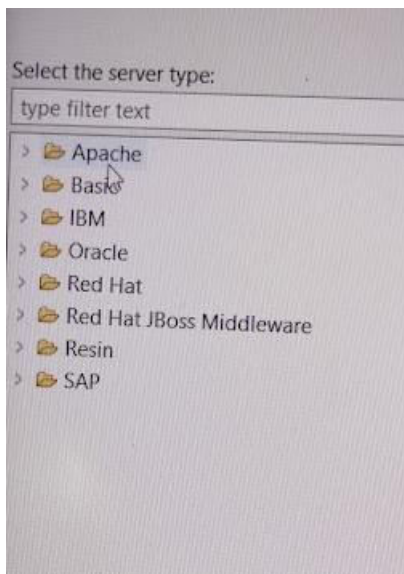


How to add server to the eclipse:

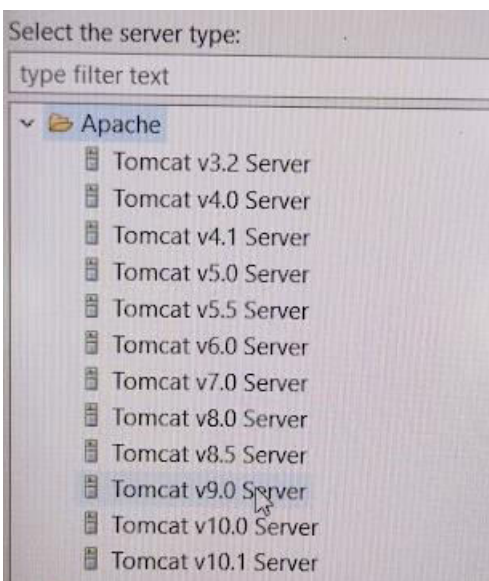
Step1: Select the server's option on the tool bar then click on hyperlink



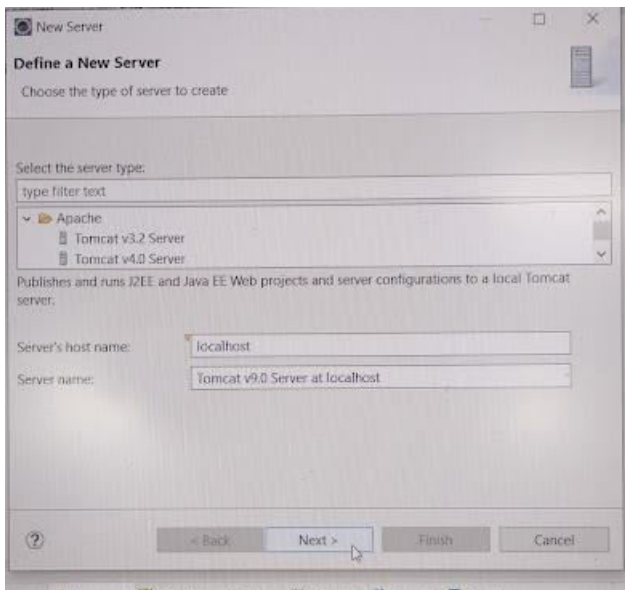
Step2: select the apache as server type



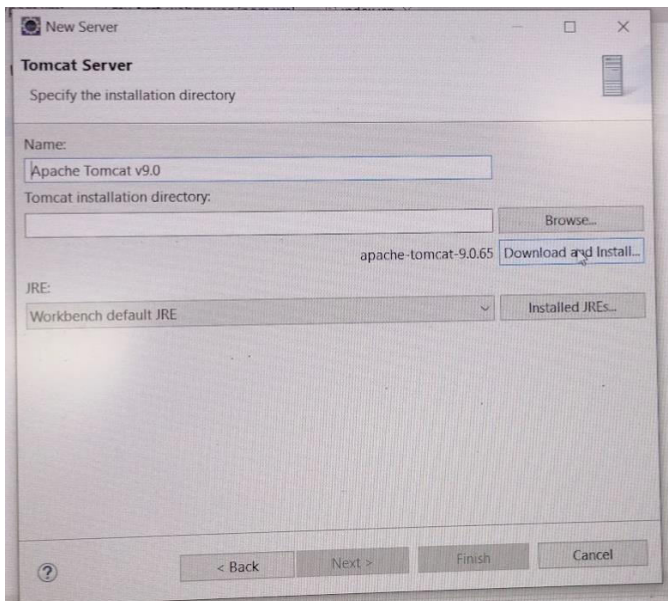
Step3: select the 9.0 version of the apache



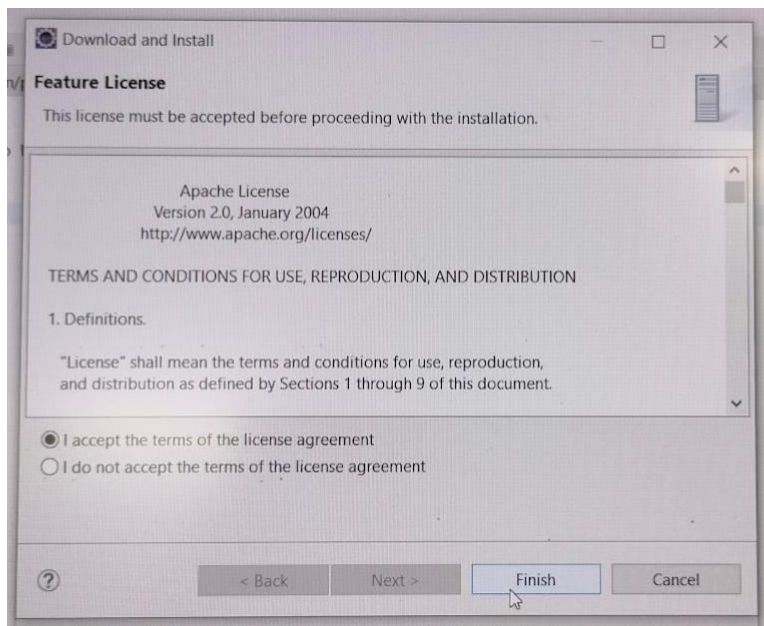
Step4: click on next



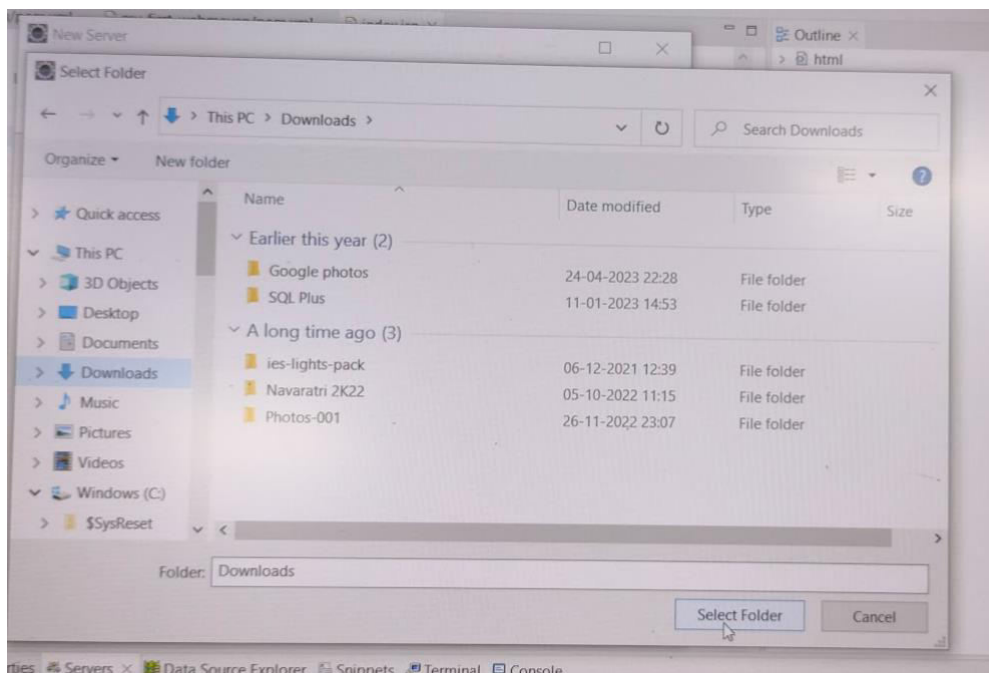
Step5: click on download and install



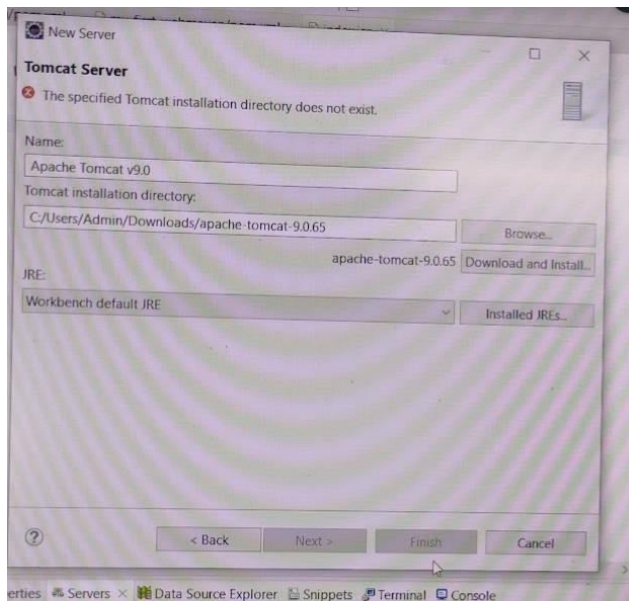
Step6: click on finish by accepting the terms and licences



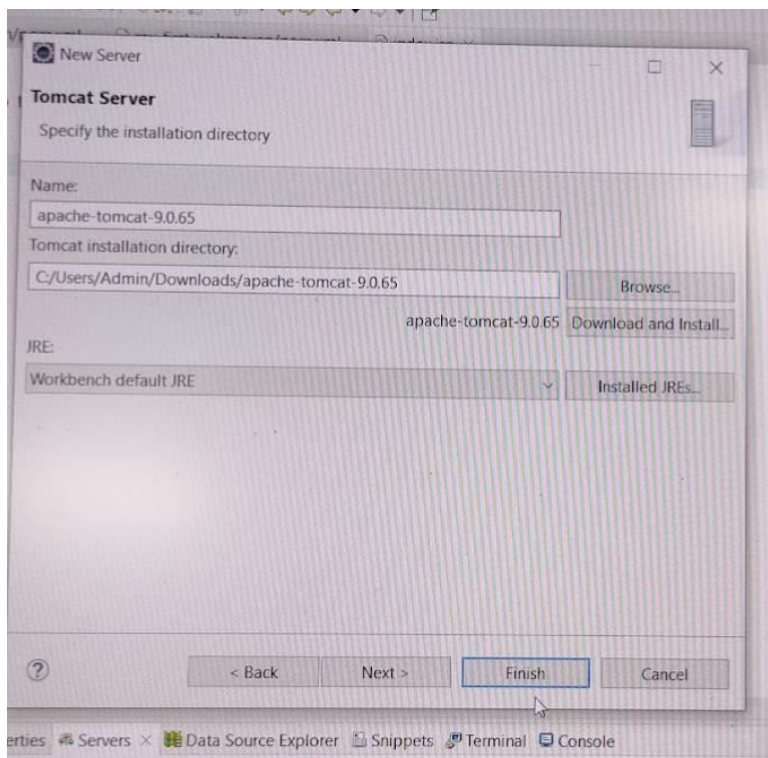
Step7: select the download location



Step8: wait until the download and install

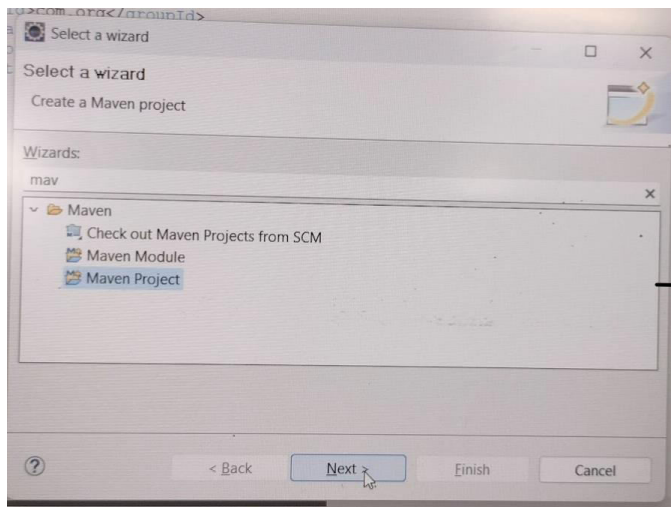


Step9: after download error will go off then click on finish

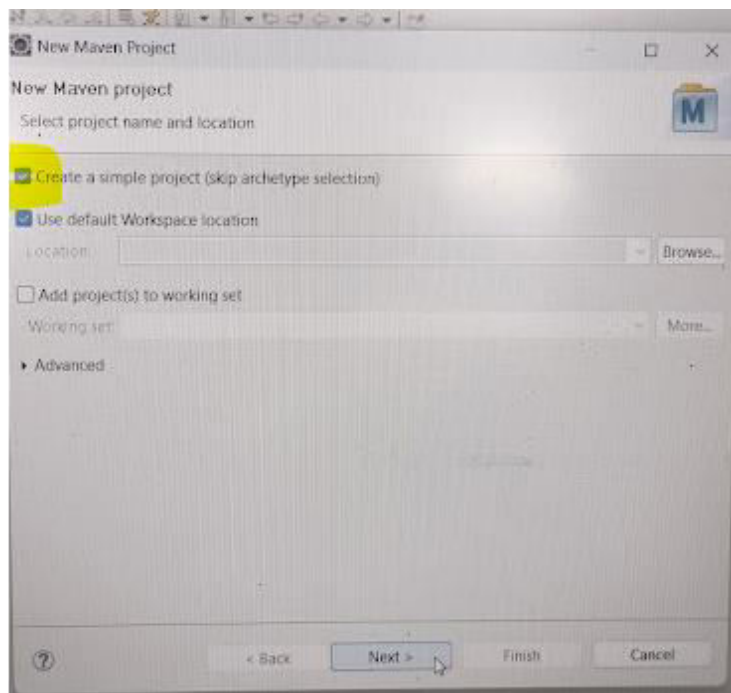


Creation of simple maven project:

Step1: select the maven project and click on next



Step2: click on the check box of create simple maven project then click on next



Step3: provide the artefact id and group id then click on finish

The screenshot shows the 'New Maven Project' dialog box with the following configuration:

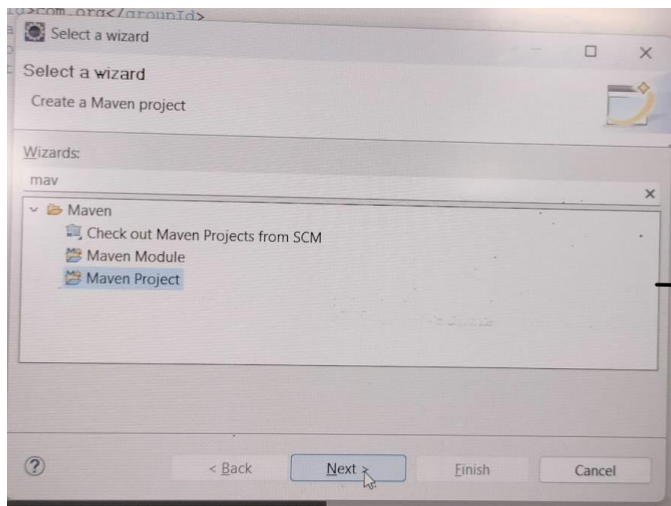
- Artifact:**
 - Group Id: com.org
 - Artifact Id: my-first-maven
 - Version: 0.0.1-SNAPSHOT
 - Packaging: jar
 - Name: (empty)
 - Description: (empty)
- Parent Project:**
 - Group Id: (empty)
 - Artifact Id: (empty)
 - Version: (empty)
 - Buttons: Browse... Clear
- Advanced:** (collapsed)

At the bottom, there are navigation buttons: '< Back', 'Next >', 'Finish' (highlighted), and 'Cancel'.

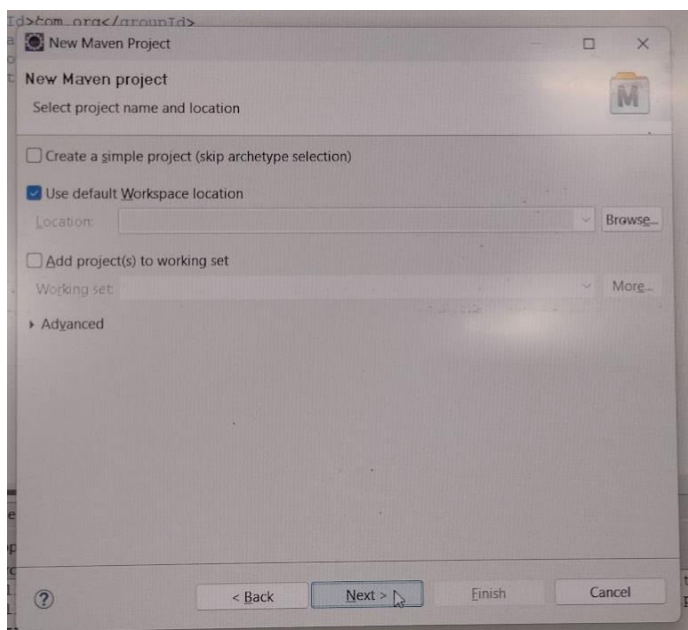
Creation of maven project for web application:

Note: internet is must for creating this project.

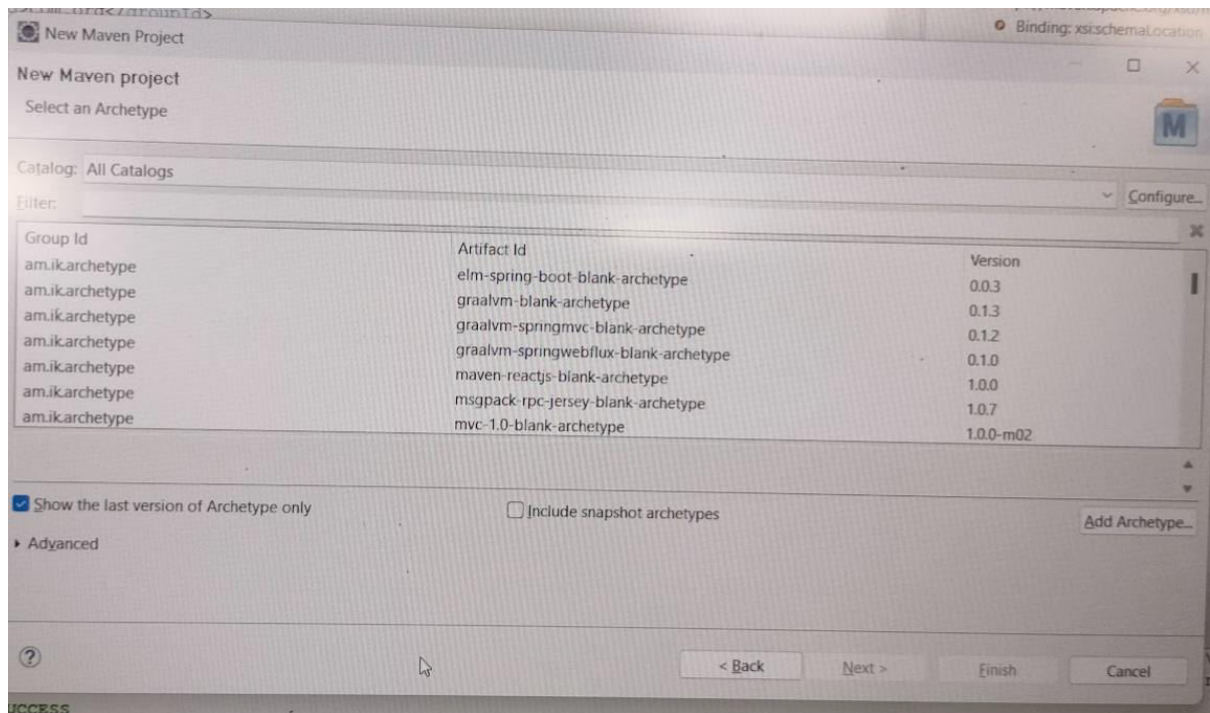
Step1: select the maven project and click on next



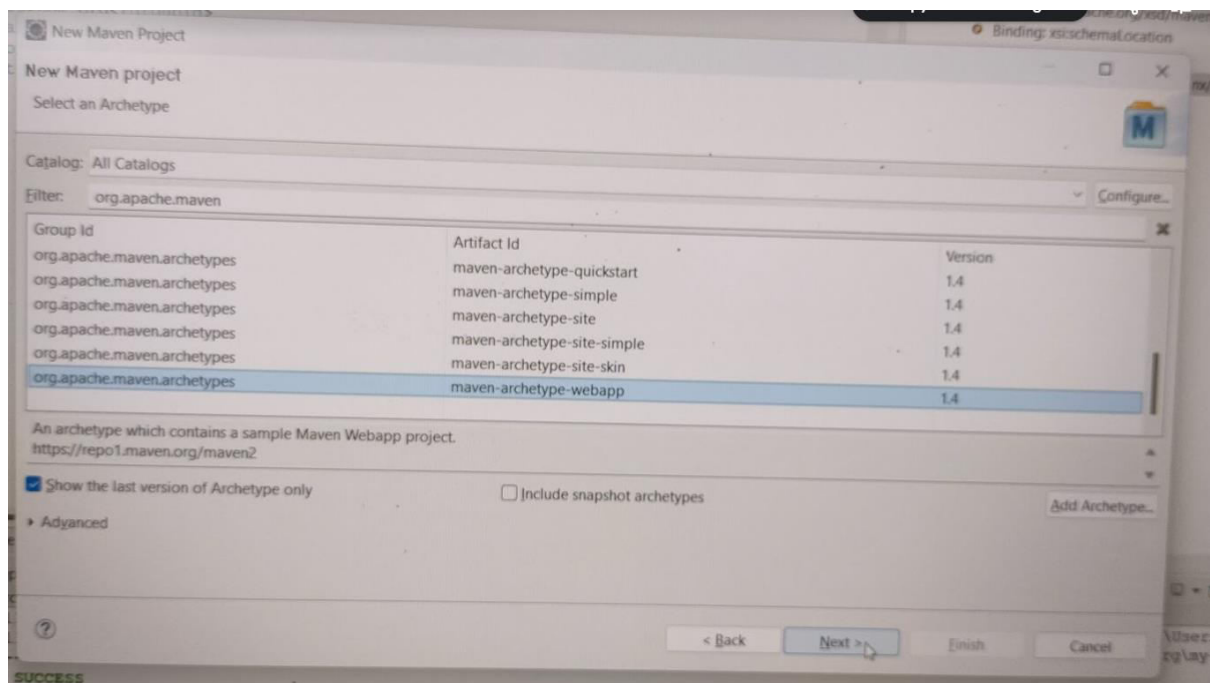
Step2: click on next



Step3: wait for some time to get the archetypes



Step4: search for org.apache.maven and select the below highlighted one and click on next



Step5: provide the artefact id and group id then click on finish

New Maven Project

Specify Archetype parameters

Group Id: com.org

Artifact Id: my-first-webmaven

Version: 0.0.1-SNAPSHOT

Package: com.org.my_first_webmaven

☒ run archetype generation interactively

Properties available from archetype:

Name	Value

► Advanced

< Back Next > Finish Cancel

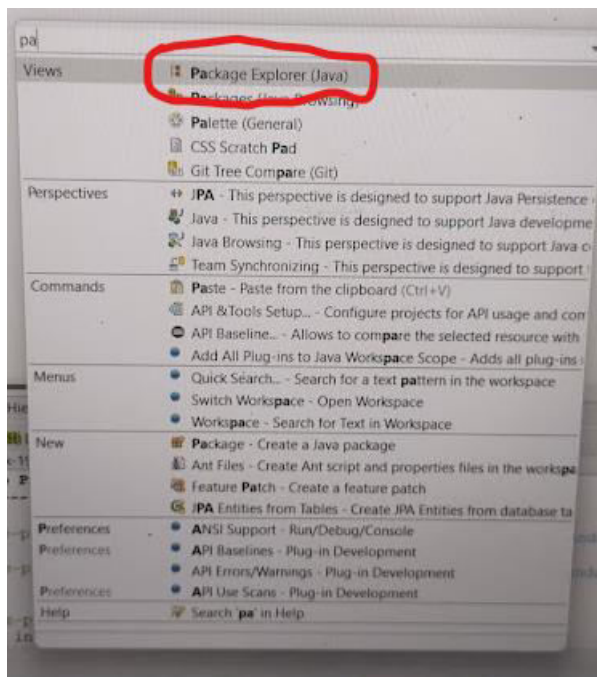
Step6: check the console for below display and yes Y and click enter

```
Confirm properties configuration:
groupId: com.org
artifactId: my-first-webmaven
version: 0.0.1-SNAPSHOT
package: com.org.my_first_webmaven
Y: :
```

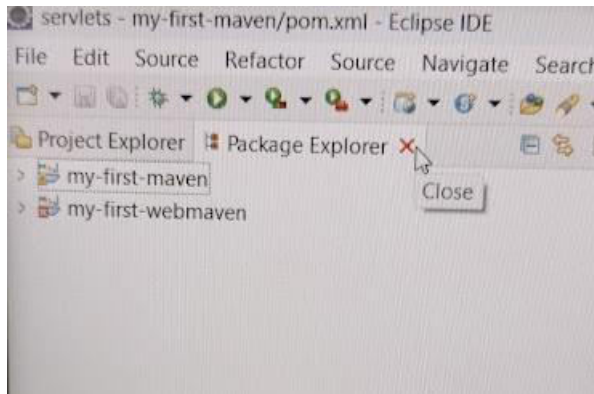
Step7: wait for the build success message.

```
package: com.org.my_first_webmaven
Y: : y
[INFO] -----
[INFO] Using following parameters for creating project from Archetype: maven-archetype-webapp:1.4
[INFO] -----
[INFO] Parameter: groupId, Value: com.org
[INFO] Parameter: artifactId, Value: my-first-webmaven
[INFO] Parameter: version, Value: 0.0.1-SNAPSHOT
[INFO] Parameter: package, Value: com.org.my_first_webmaven
[INFO] Parameter: packageInPathFormat, Value: com/org/my_first_webmaven
[INFO] Parameter: package, Value: com.org.my_first_webmaven
[INFO] Parameter: groupId, Value: com.org
[INFO] Parameter: artifactId, Value: my-first-webmaven
[INFO] Parameter: version, Value: 0.0.1-SNAPSHOT
[INFO] Project created from Archetype in dir: C:\Users\kalpa\OneDrive\Documents\Desktop\servlets\my-first-webmaven
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 11.377 s
[INFO] Finished at: 2023-07-25T19:04:04+05:30
[INFO] -----
```

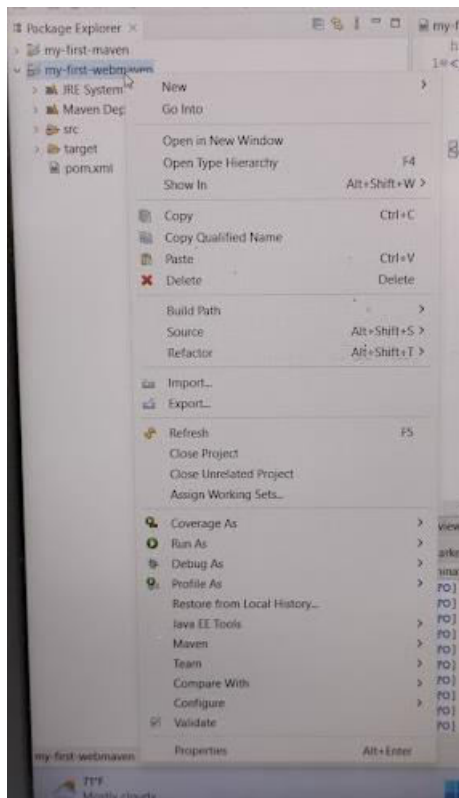
Step8: search for package explorer and select the below highlighted



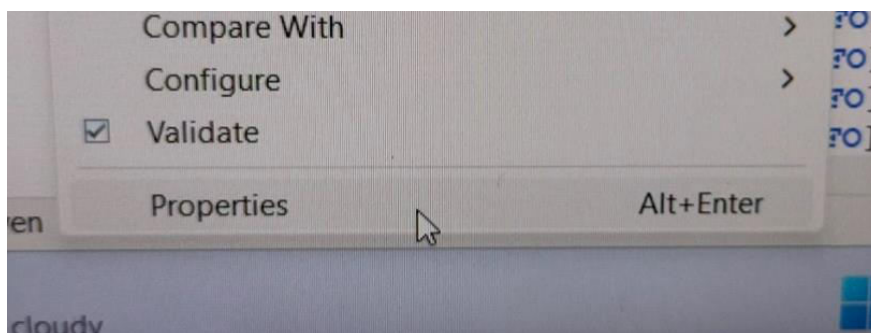
Step9: add package explorer near to the project explorer on the left top side



Step10: right click on the project



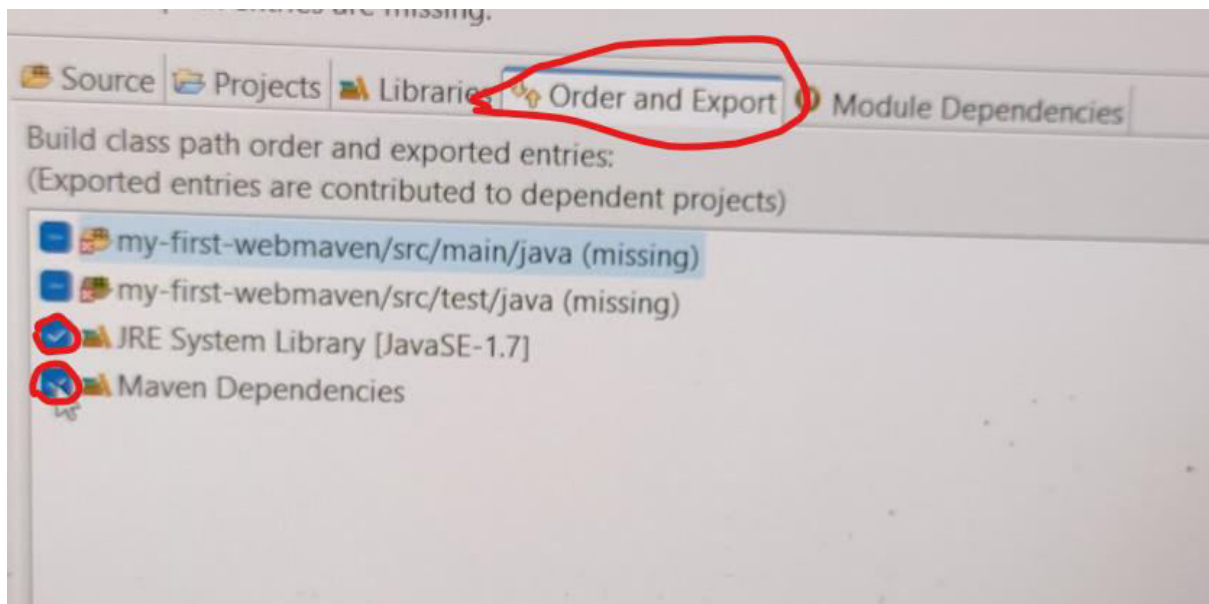
Step11: select the properties (last option)



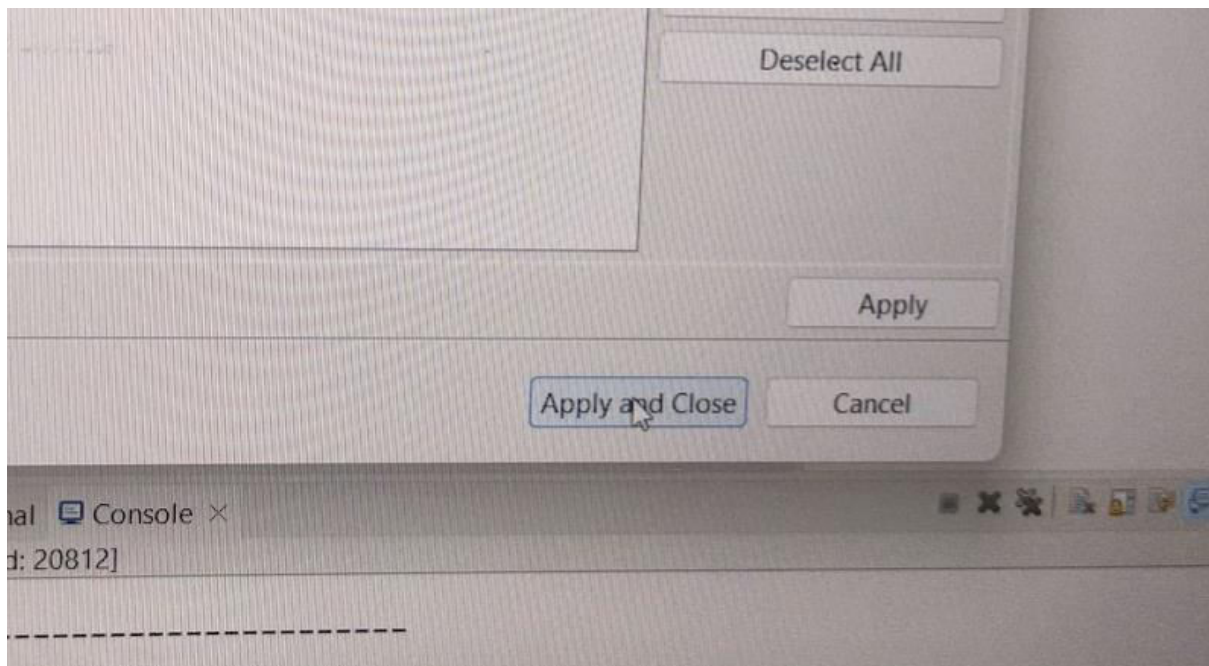
Step12: select java build path



Step13: select order and export and click on the empty check boxes



Step 14: click on apply and close



Step15 : add the provided dependencies in below displayed location

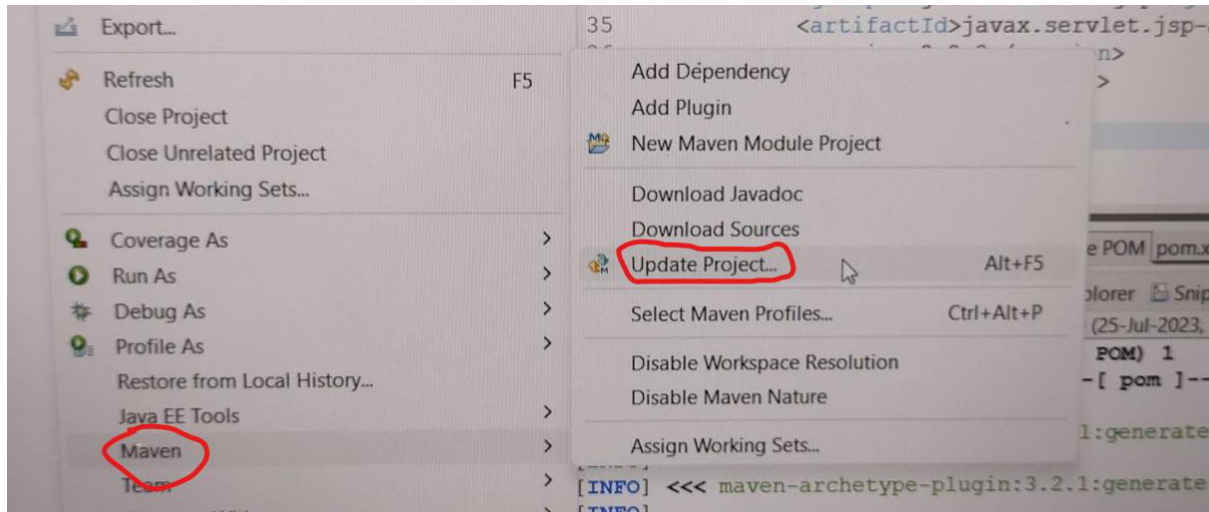
```
</properties>
<dependencies>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.11</version>
    <scope>test</scope>
  </dependency>

  <!-- https://mvnrepository.com/artifact/javax.servlet/javax.servlet-api -->
  <dependency>
    <groupId>javax.servlet</groupId>
    <artifactId>javax.servlet-api</artifactId>
    <version>4.0.1</version>
    <scope>provided</scope>
  </dependency>
  <!-- https://mvnrepository.com/artifact/javax.servlet.jsp/javax.servlet.jsp-api -->
  <dependency>
    <groupId>javax.servlet.jsp</groupId>
    <artifactId>javax.servlet.jsp-api</artifactId>
    <version>2.3.3</version>
    <scope>provided</scope>
  </dependency>
</dependencies>
```


Updating maven project: (simple or web)

Step1: right click on the project either simple or web maven project

Step2: select the maven and select the update project



Step3: click the check box force update then click on ok

