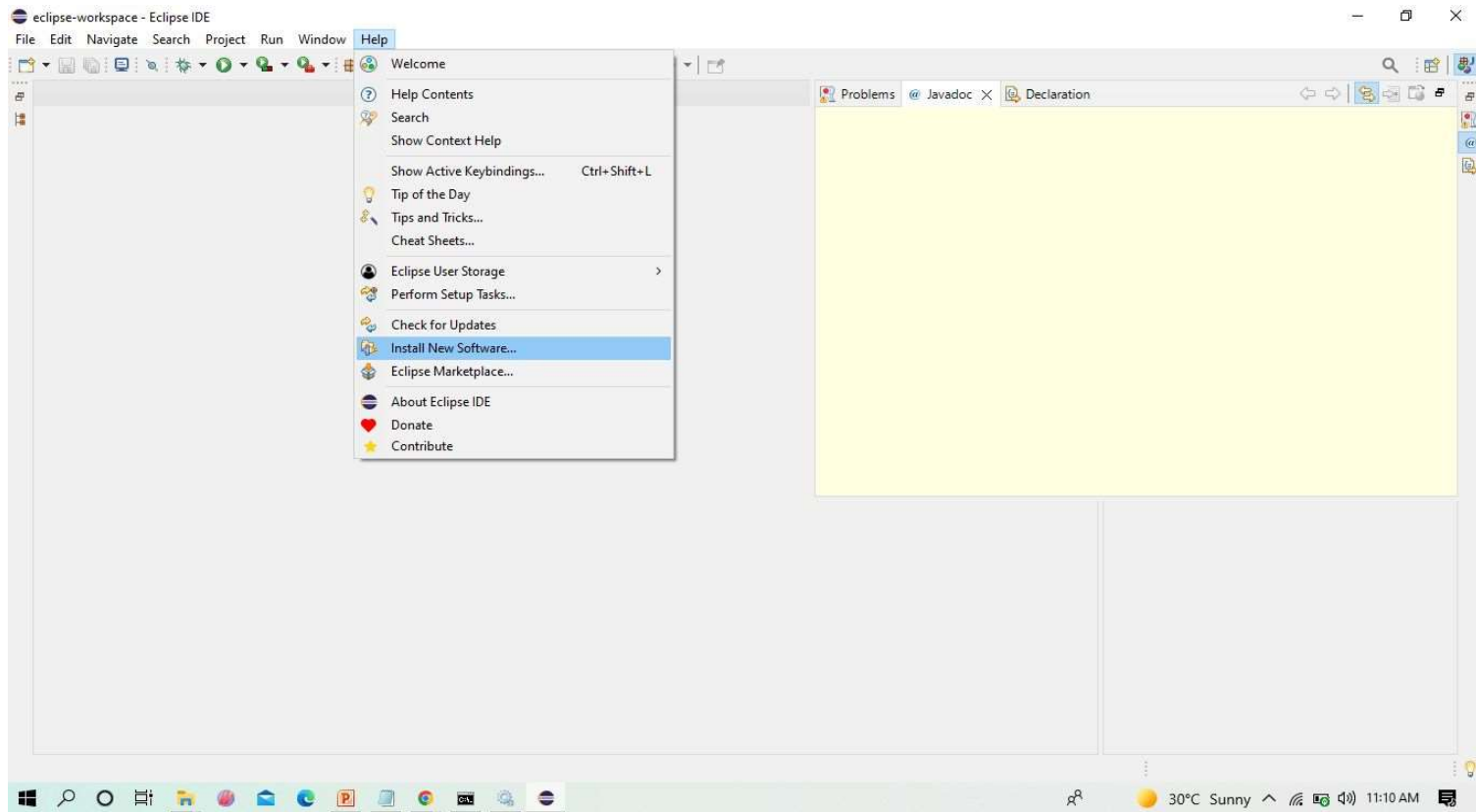
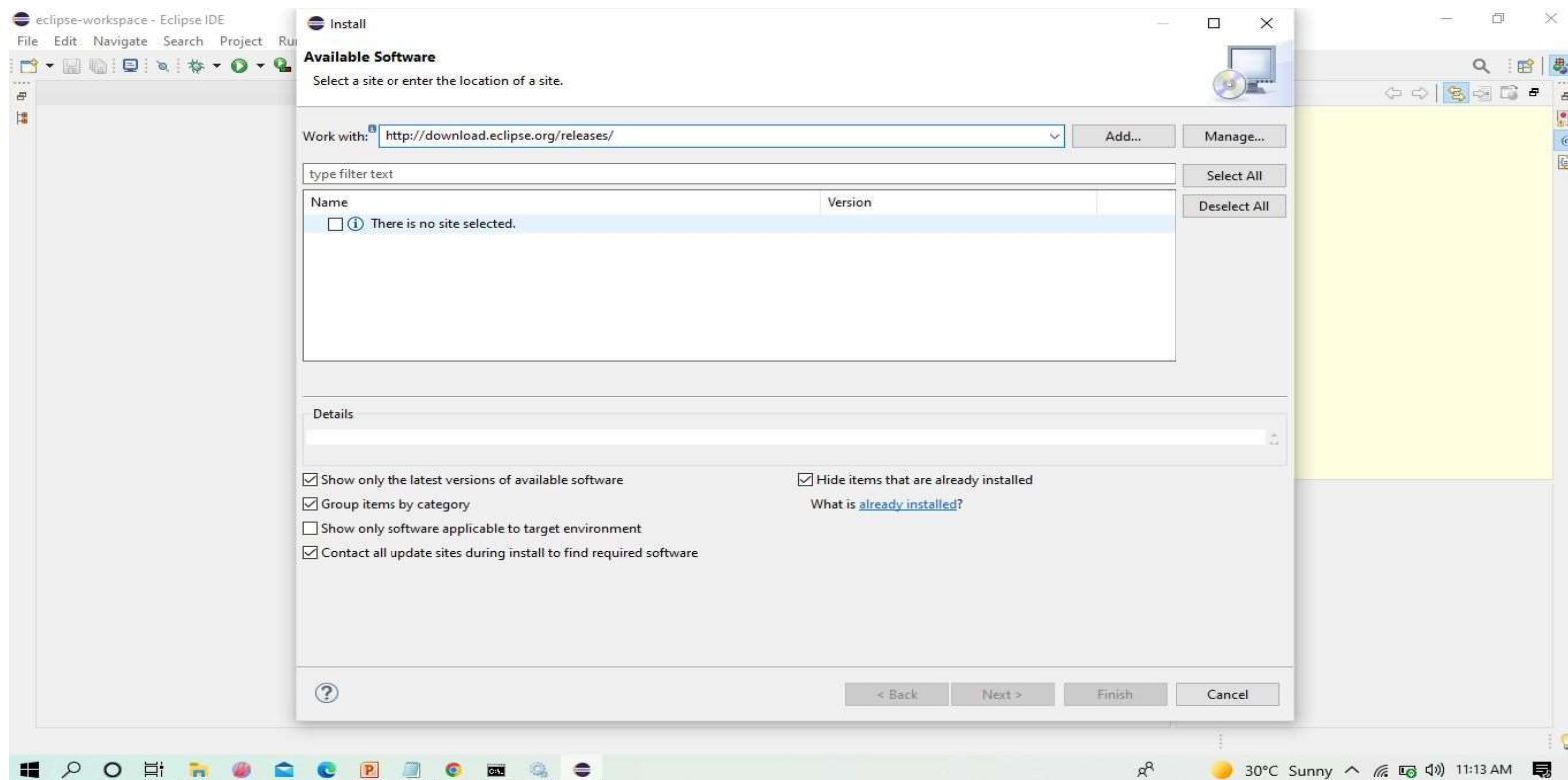


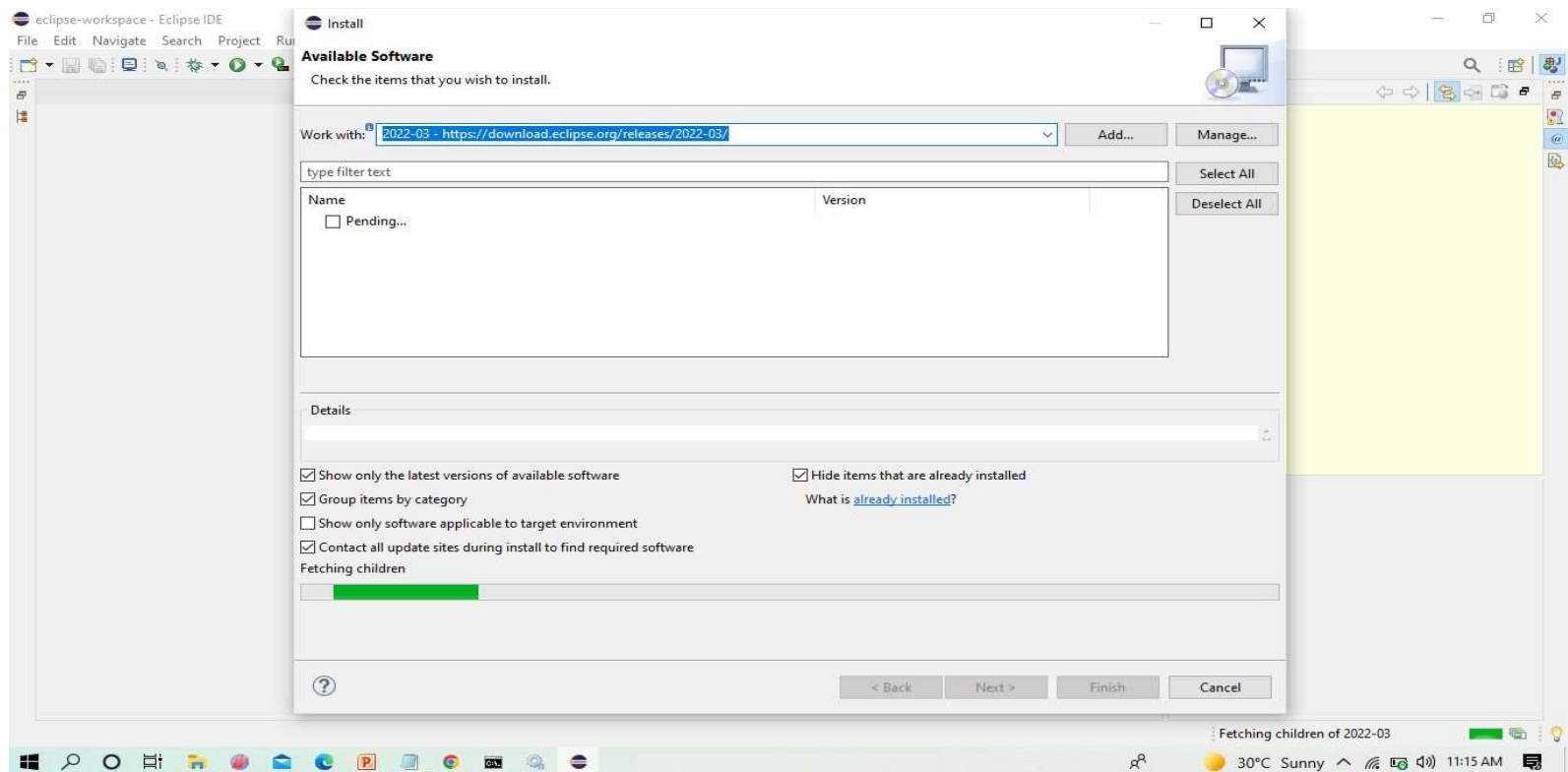
TO INSTALL TOMCAT SERVER INTO ECLIPSE



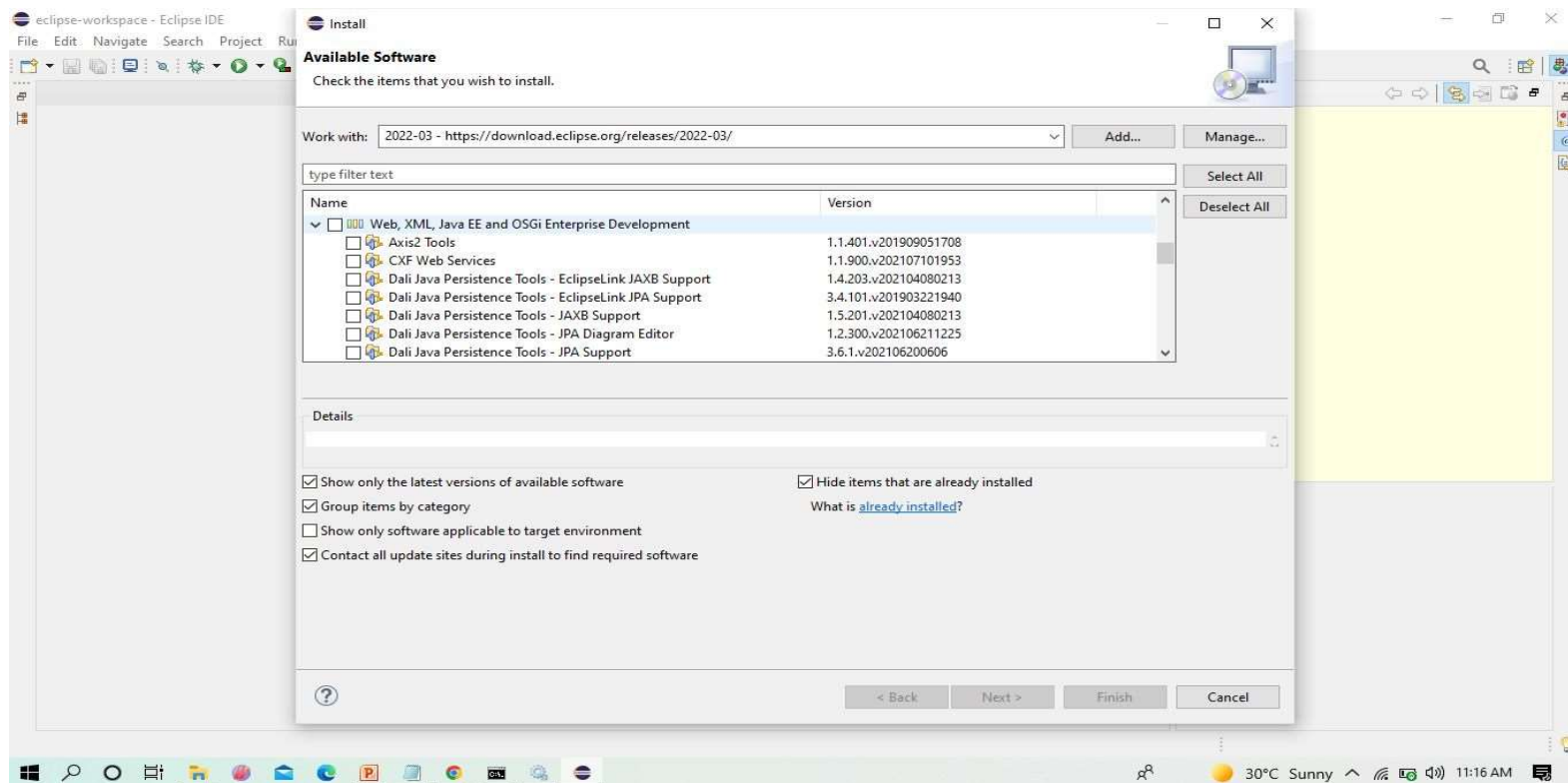
BEFORE INSTALLING SERVER INTO ECLIPSE, WE NEED TO ADD JAVA EE TO THE ECLIPSE IDE



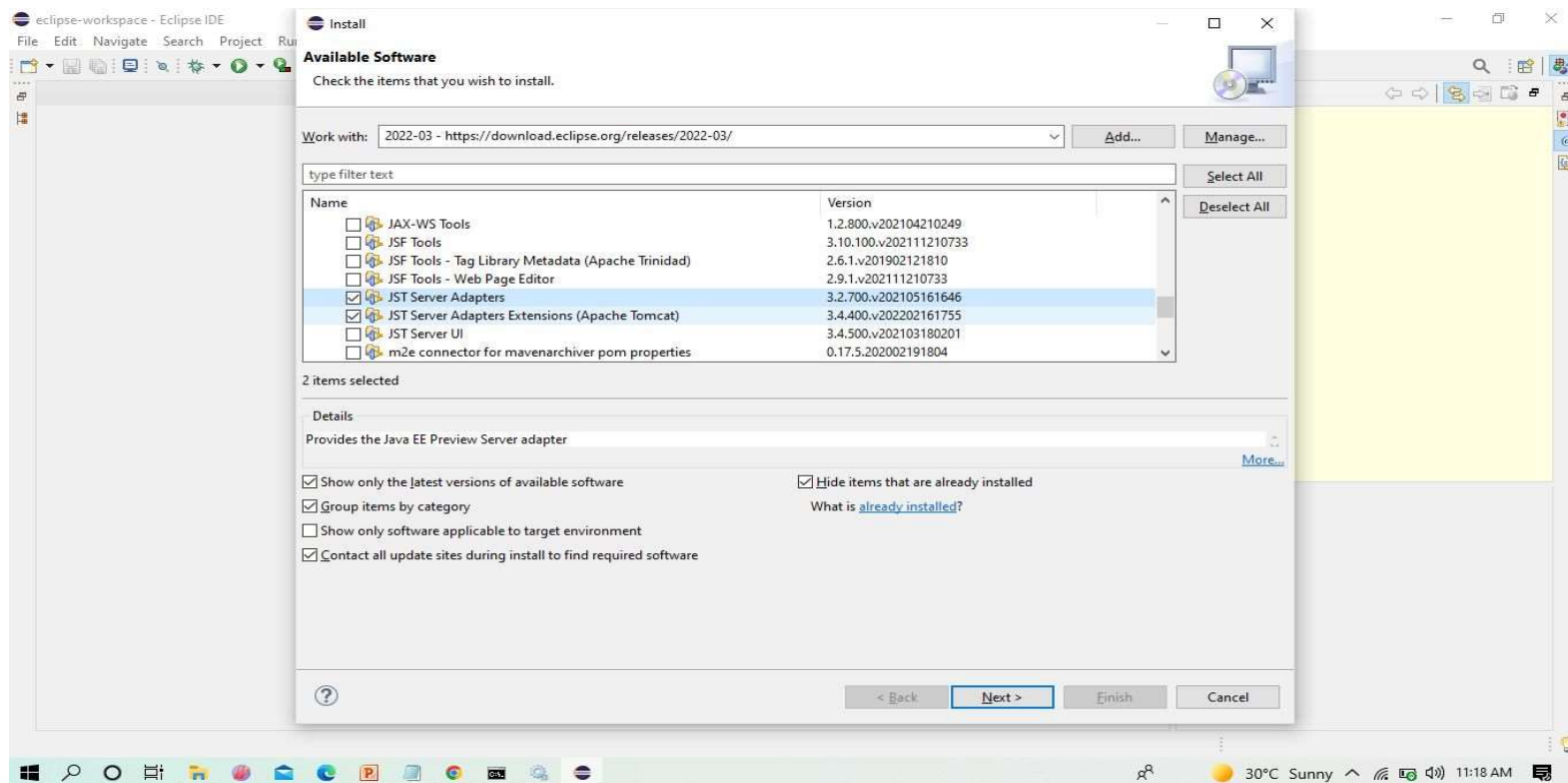
CLICK ON THE DROP DOWN MENU IN WORK WITH AND SELECT THE FOLLOWING FROM THE LIST



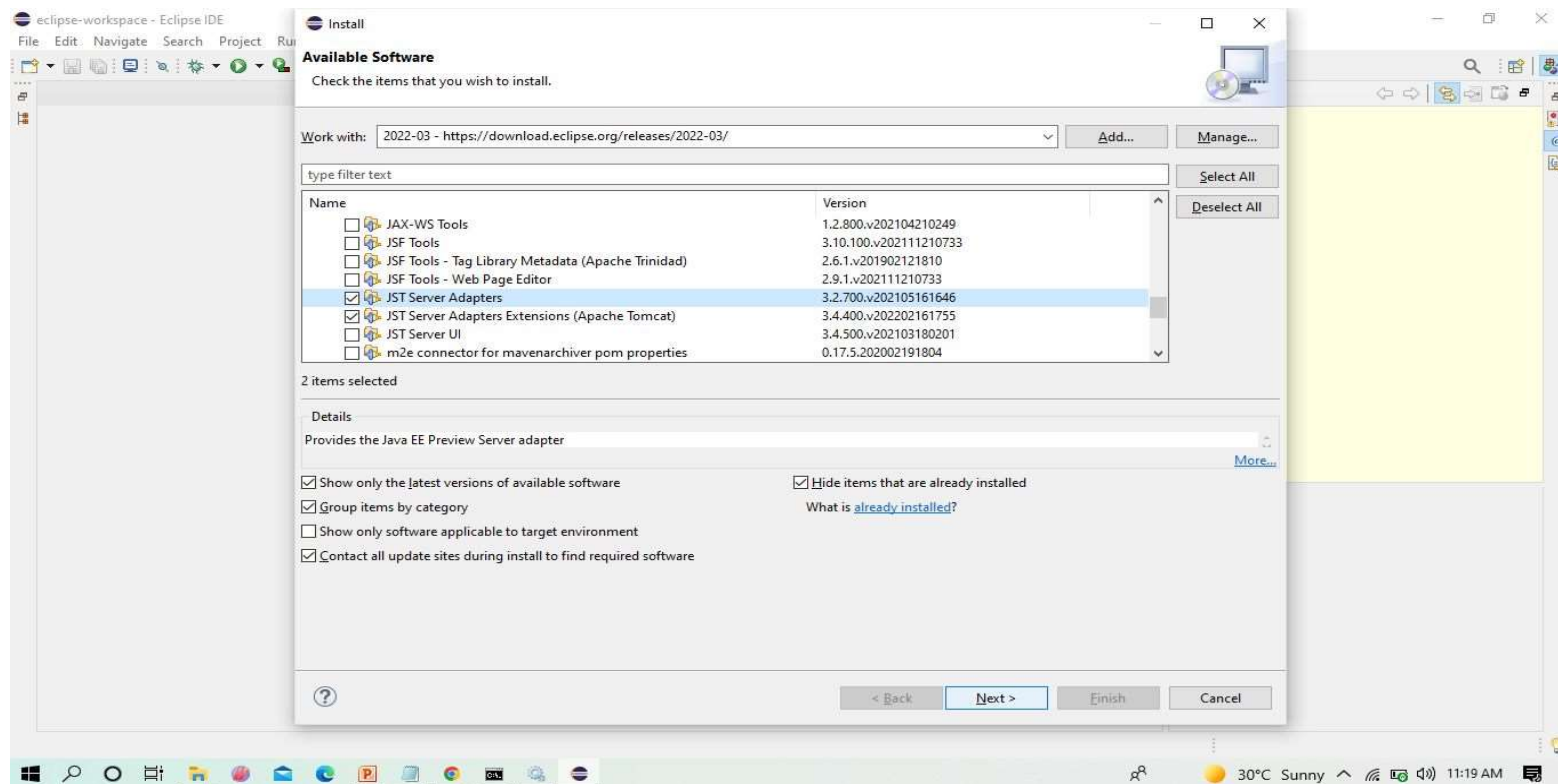
CHECK THE WEB,XML,JAVA EE BOX TO INSTALL THE LATEST SOFTWARE INTO ECLIPSE IN ORDER TO EXECUTE THE DYNAMIC WEB PROJECTS, MAVEN WEB PROJECTS. ETC.



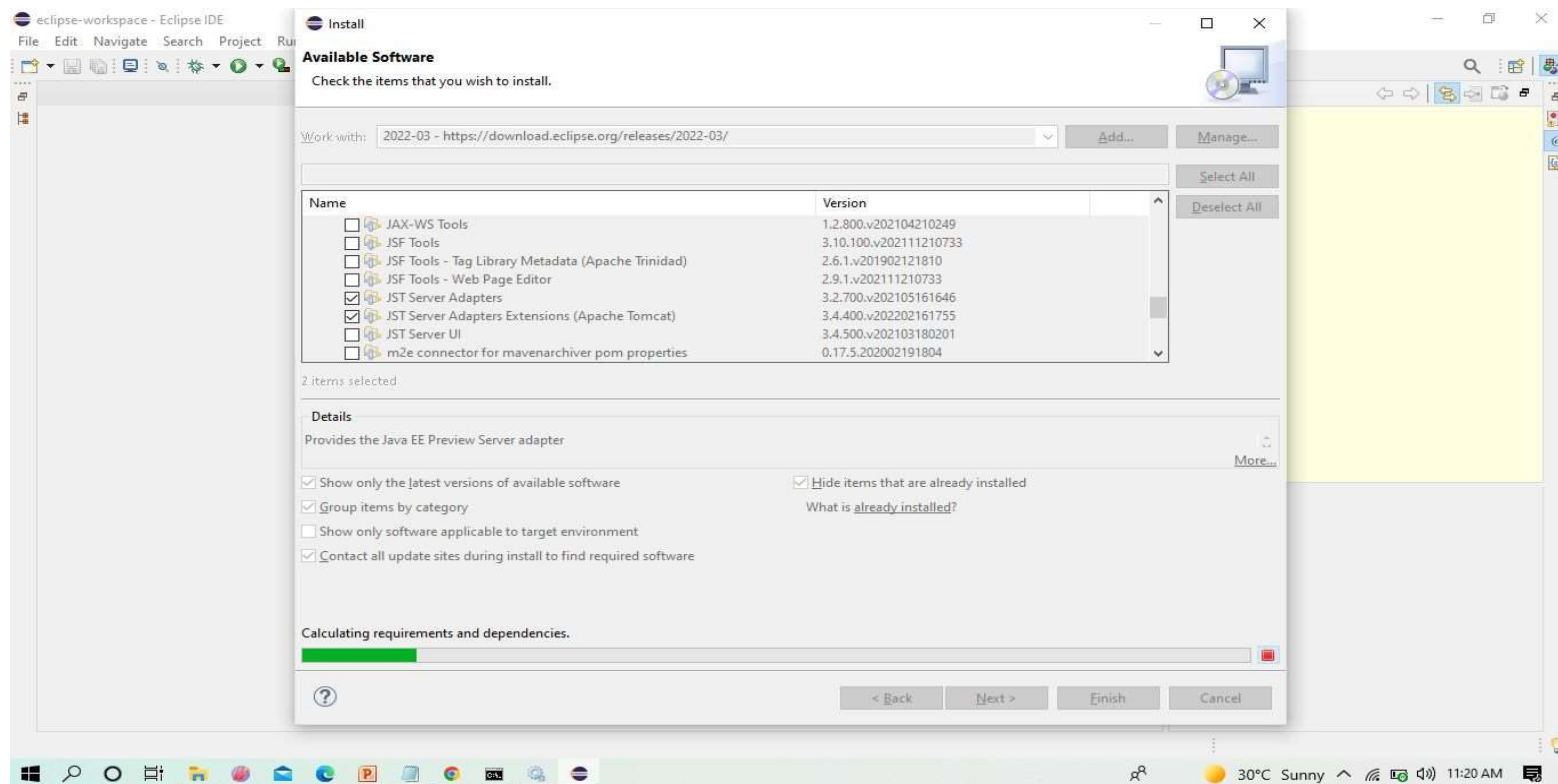
SINCE WE DEVELOP ONLY MAVEN WEB PROJECT IN DEVOPS, WE CAN ONLY CHECK THE SHOWN TWO AND CLICK ON NEXT



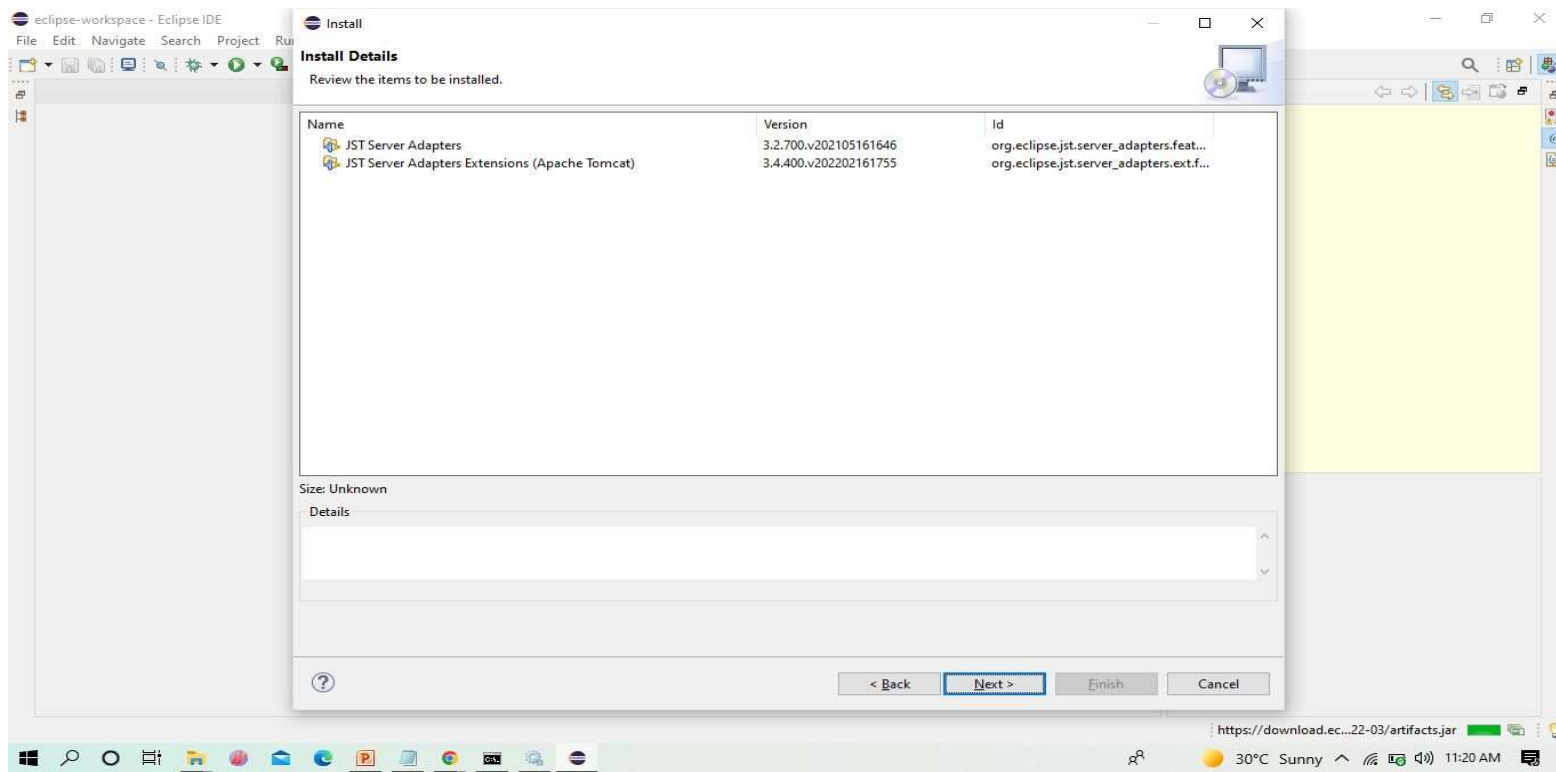
HERE ENABLE THE JST ADAPTER AND JST SERVER ADAPTER



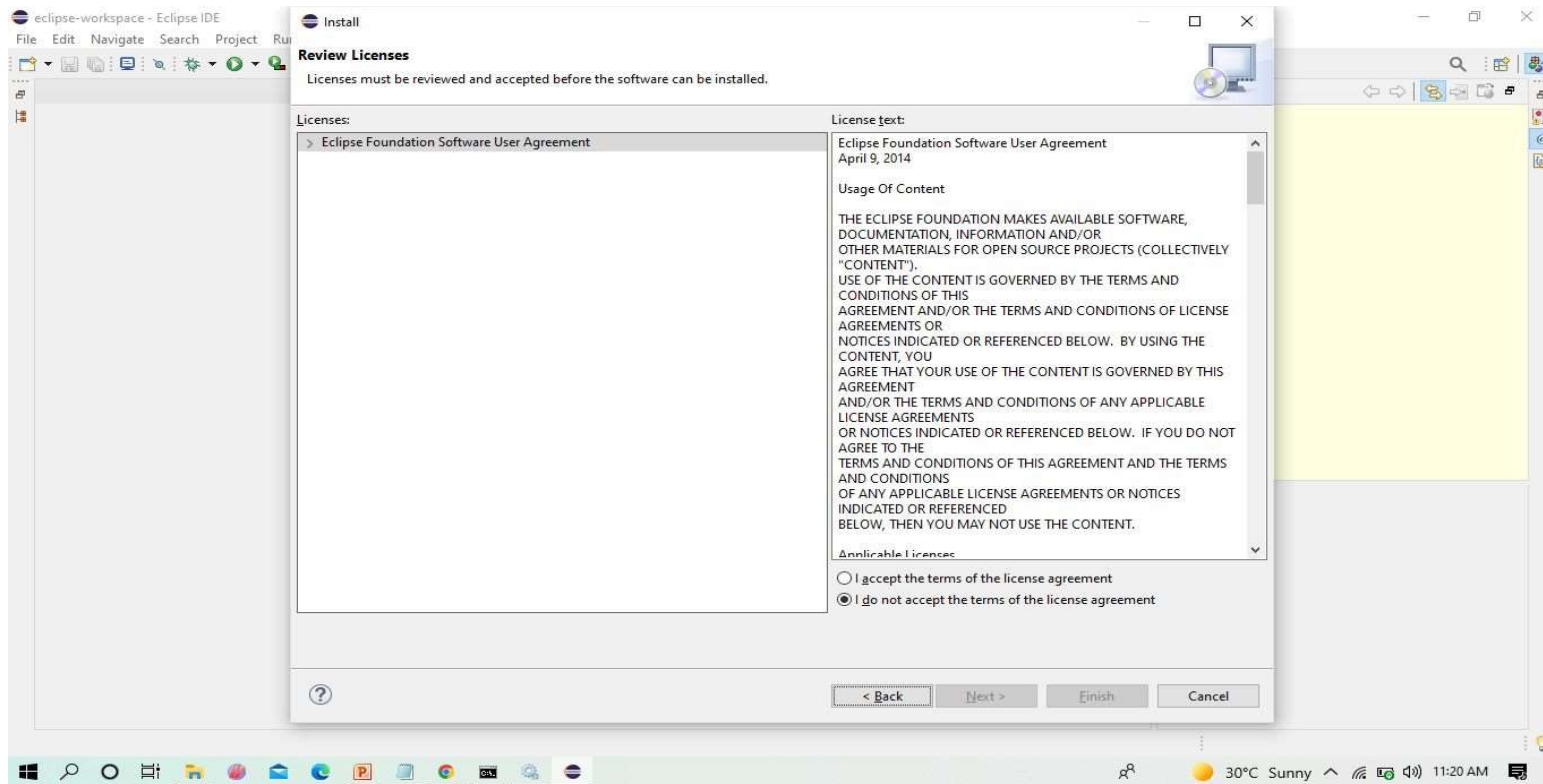
INSTALL THEM



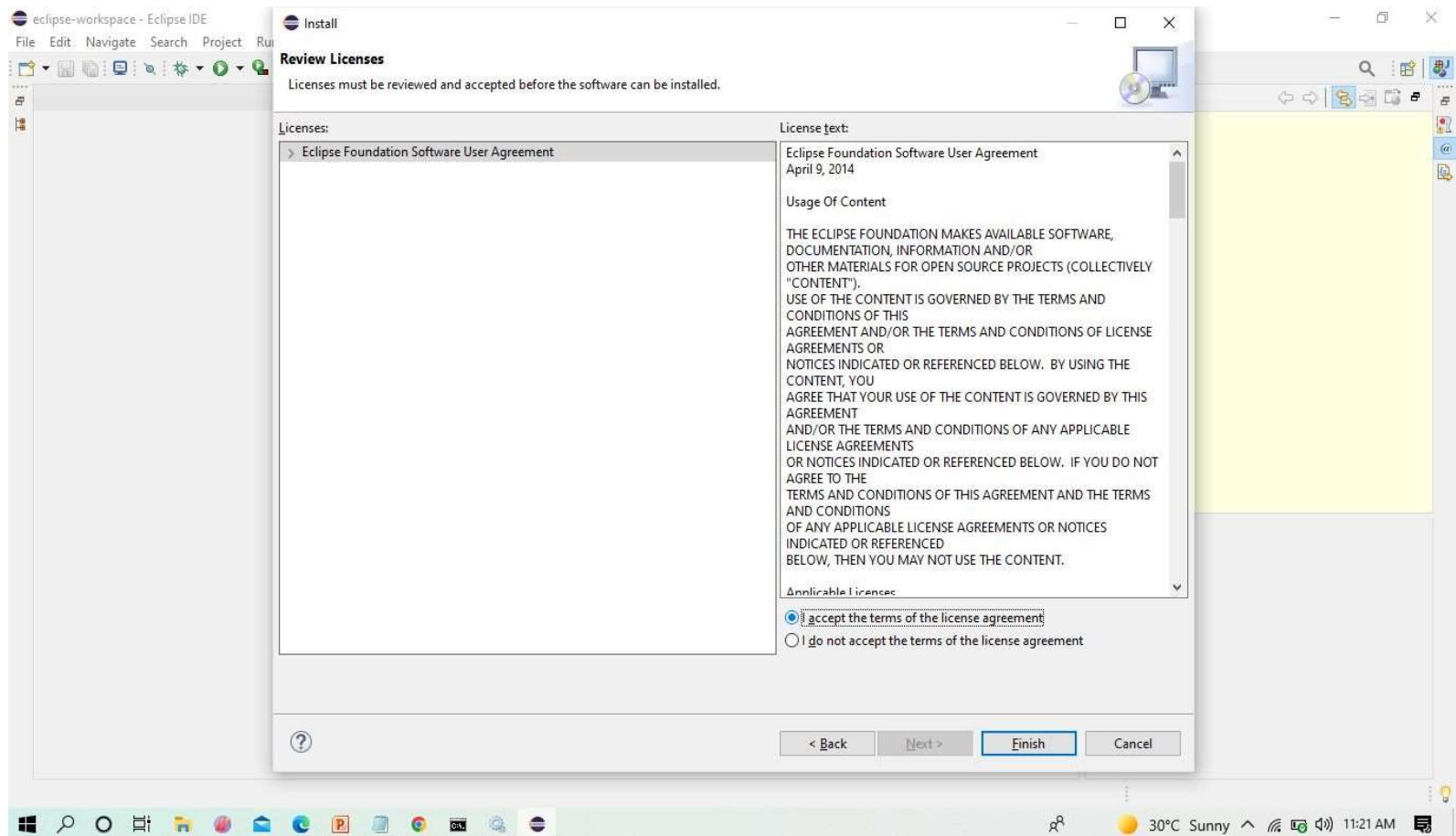
CLICK ON -> NEXT



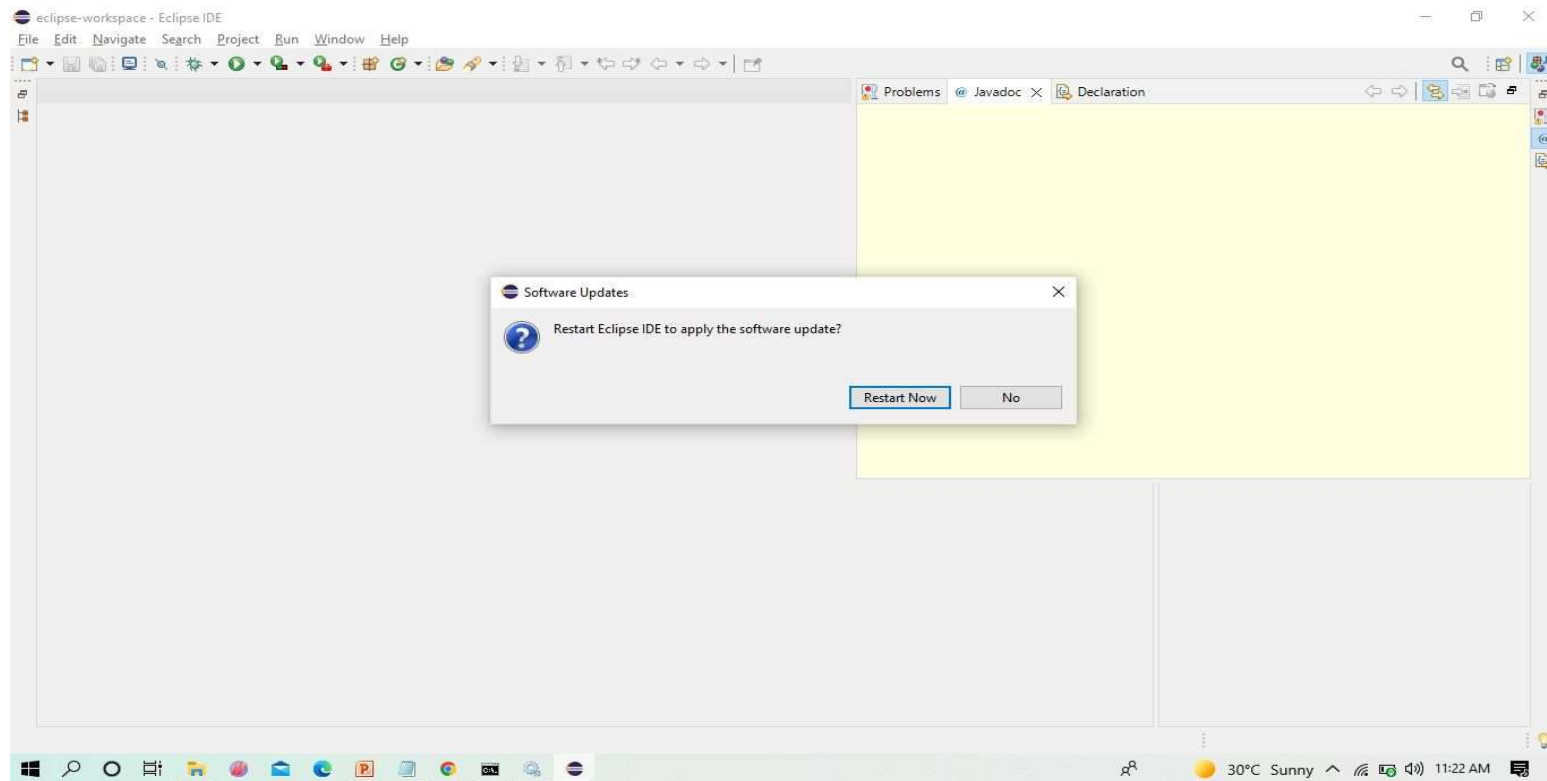
SELECT ON -> I AGREE



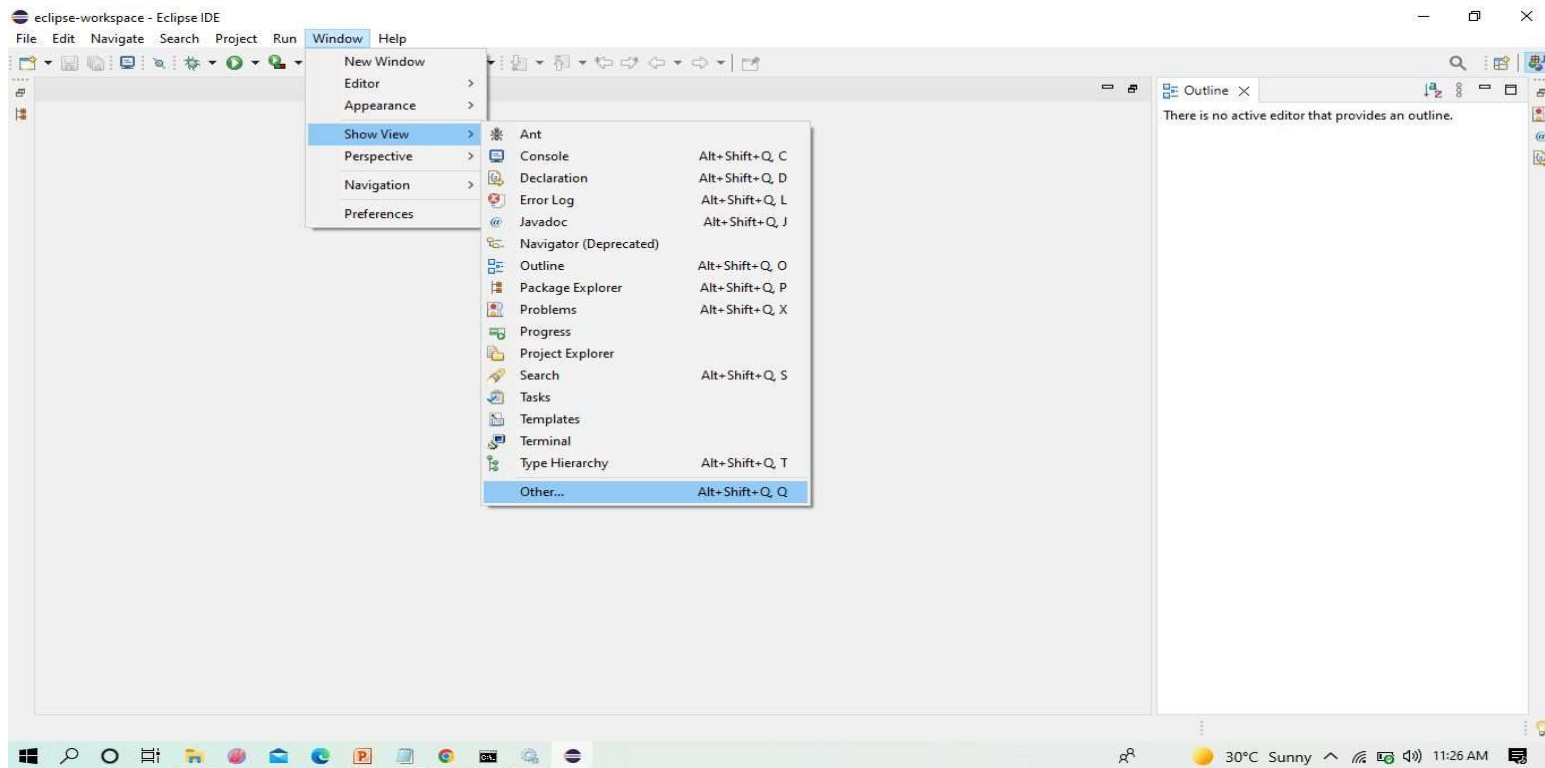
Select on -> I accept -> Finish



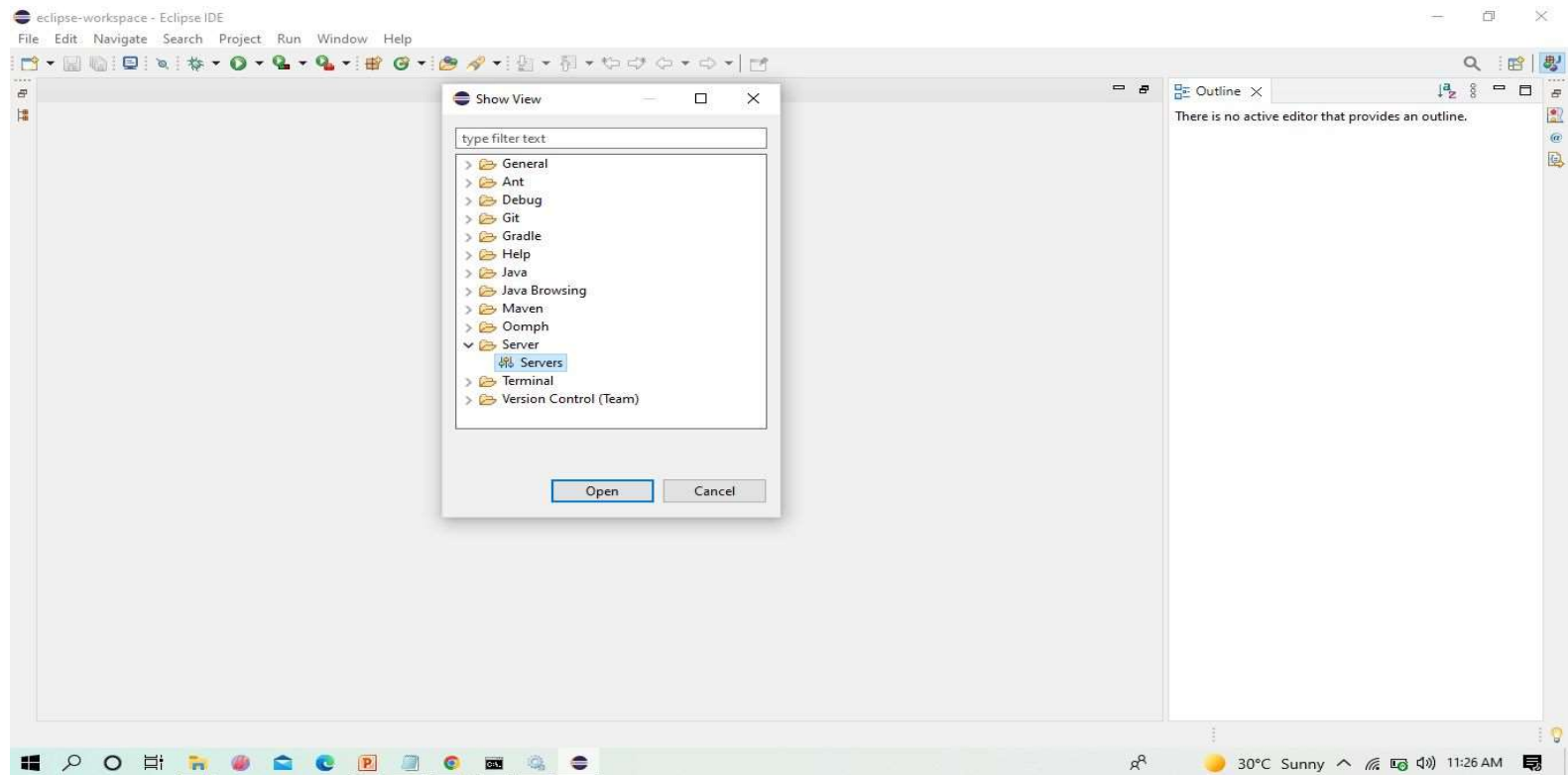
RESTART THE ECLIPSE IDE



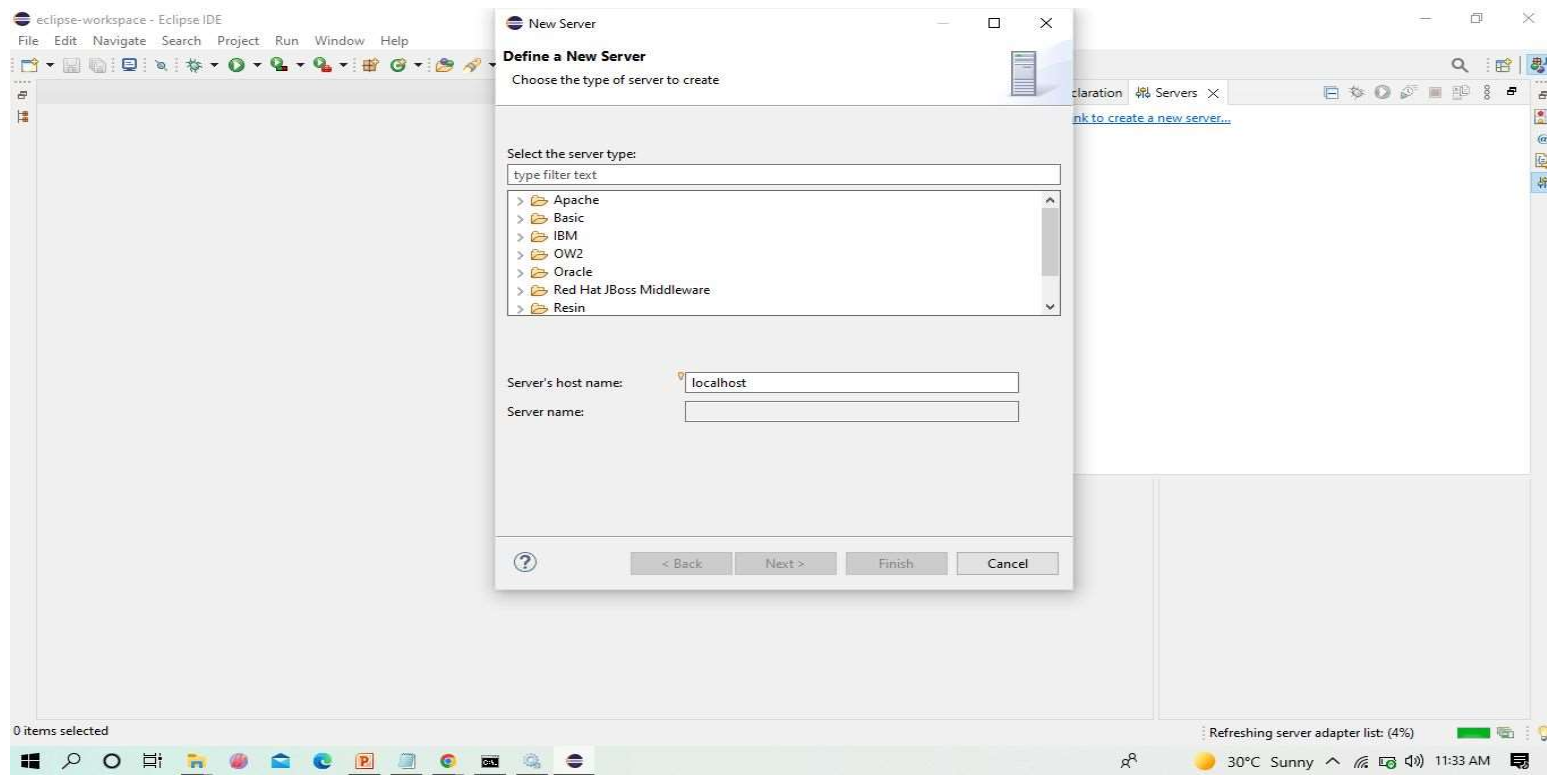
AFTER THE SHOWN INSTALLATION, CHECK WHETHER SERVER IS AVAILABLE IN ECLIPSE AS SHOWN



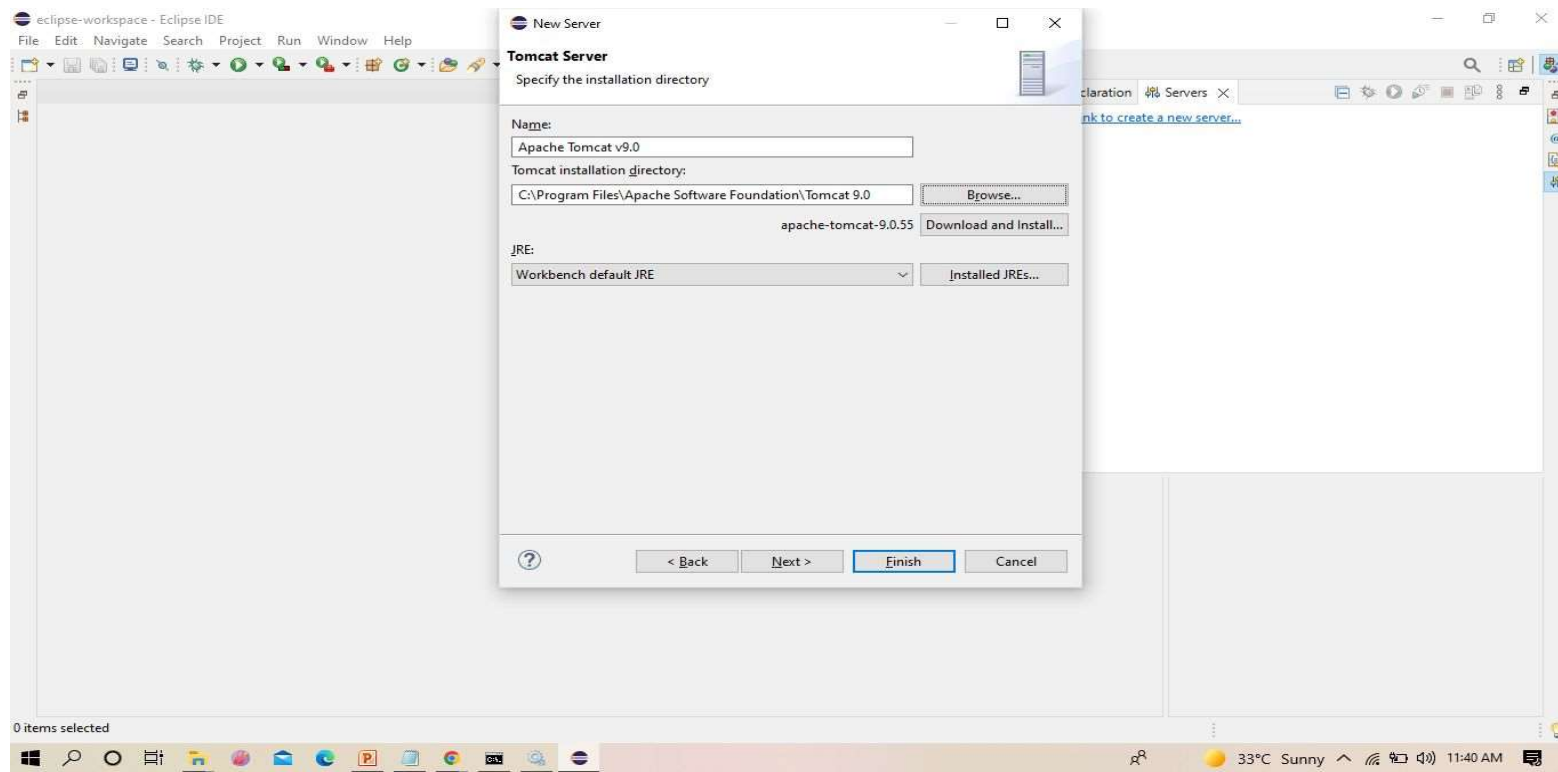
IN SHOW VIEW, WE CAN NOW SEE SERVERS



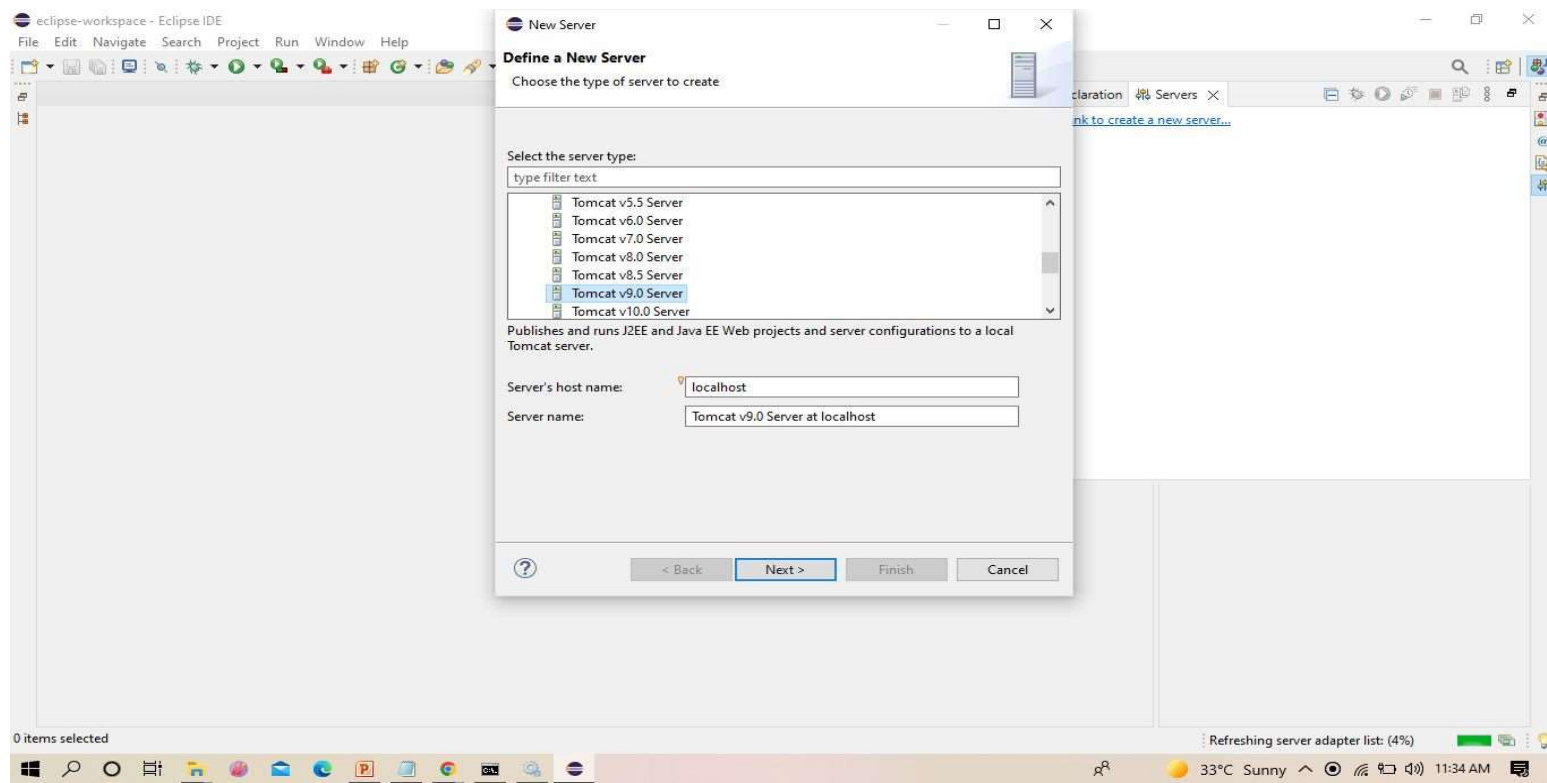
CLICK ON APACHE FOLDER



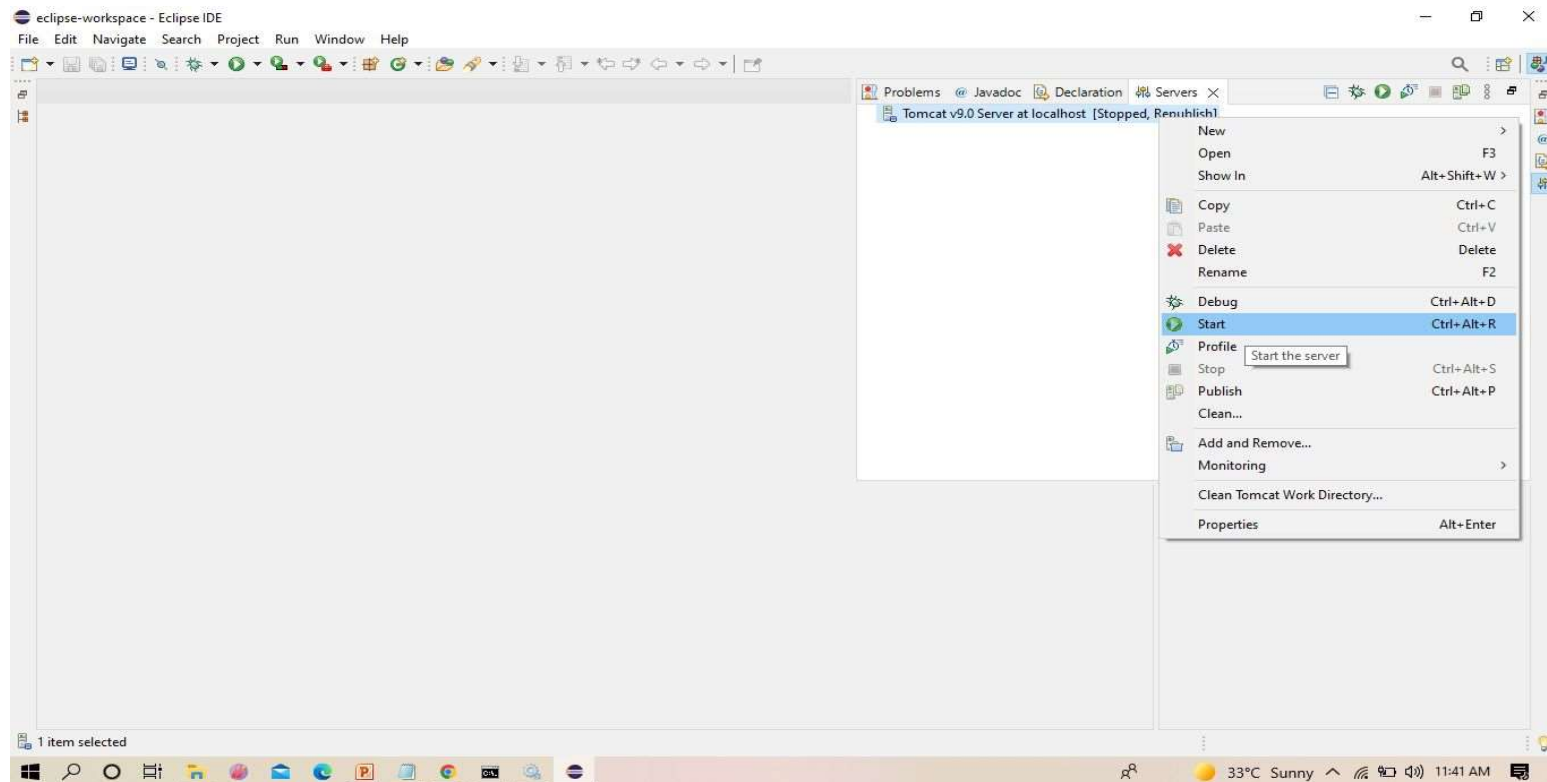
BROWSE THE TOMCAT FOLDER AVAILABLE IN YOUR LOCAL SYSTEM AS SHOWN



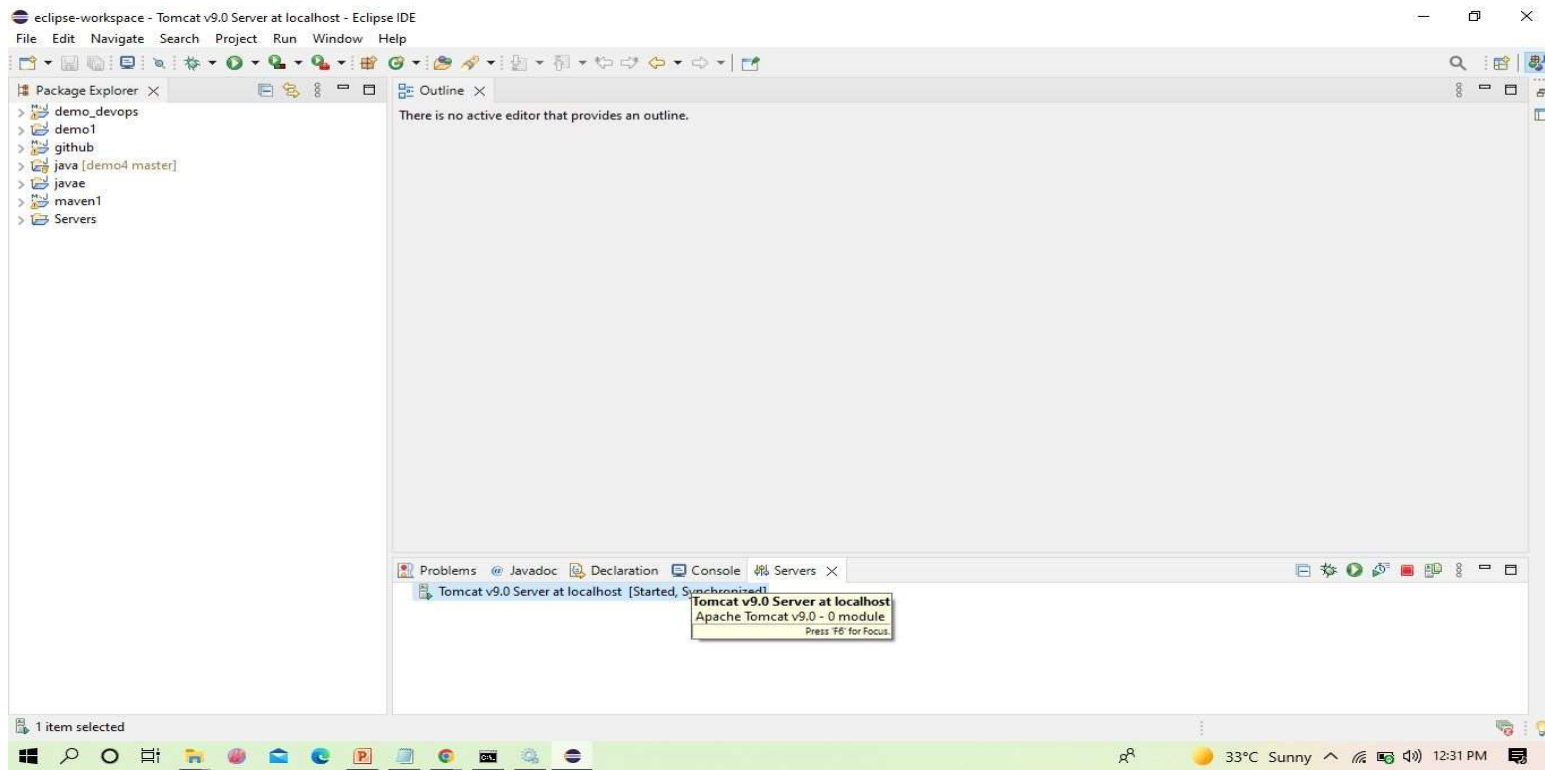
SELECT TOMCAT V 9 AS SHOWN



FROM NOW ON WE CAN START TOMCAT SERVER FROM ECLIPSE IDE AS SHOWN



WE CAN NOW SEE THAT THE SERVER IS STARTED



THE NEXT STEP IS TO CHANGE THE PORT NUMBER OF THE TOMCAT AS JENKINS USES 8080, AS SHOWN

eclipse-workspace - Tomcat v9.0 Server at localhost - Eclipse IDE
File Edit Navigate Search Project Run Window Help

Tomcat v9.0 Server at localhost

Overview

General Information
Specify the host name and other common settings.

Server name: Tomcat v9.0 Server at localhost
Host name: localhost
Runtime Environment: Apache Tomcat v9.0
Configuration path: /Servers/Tomcat v9.0 Server at localhost-config Browse...
[Open launch configuration](#)

Server Locations
Specify the server path (i.e. catalina.base) and deploy path. Server must be published with no modules present to make changes.

☒ Use workspace metadata (does not modify Tomcat installation)
☐ Use Tomcat installation (takes control of Tomcat installation)
☐ Use custom location (does not modify Tomcat installation)

Server path: .metadata\plugins\org.eclipse.wst.server.core\tmp0 Browse...
[Set deploy path to the default value \(currently set\)](#)
Deploy path: wtpwebapps Browse...

Server Options
Enter settings for the server.

☐ Serve modules without publishing
☐ Publish module contexts to separate XML files
☒ Modules auto reload by default
☐ Enable security
☐ Enable Tomcat debug logging (not supported by this Tomcat version)

Publishing
Timeouts
Ports
Modify the server ports.

Port Name	Port Number
Tomcat admin port	8082
HTTP/1.1	8083

MIME Mappings

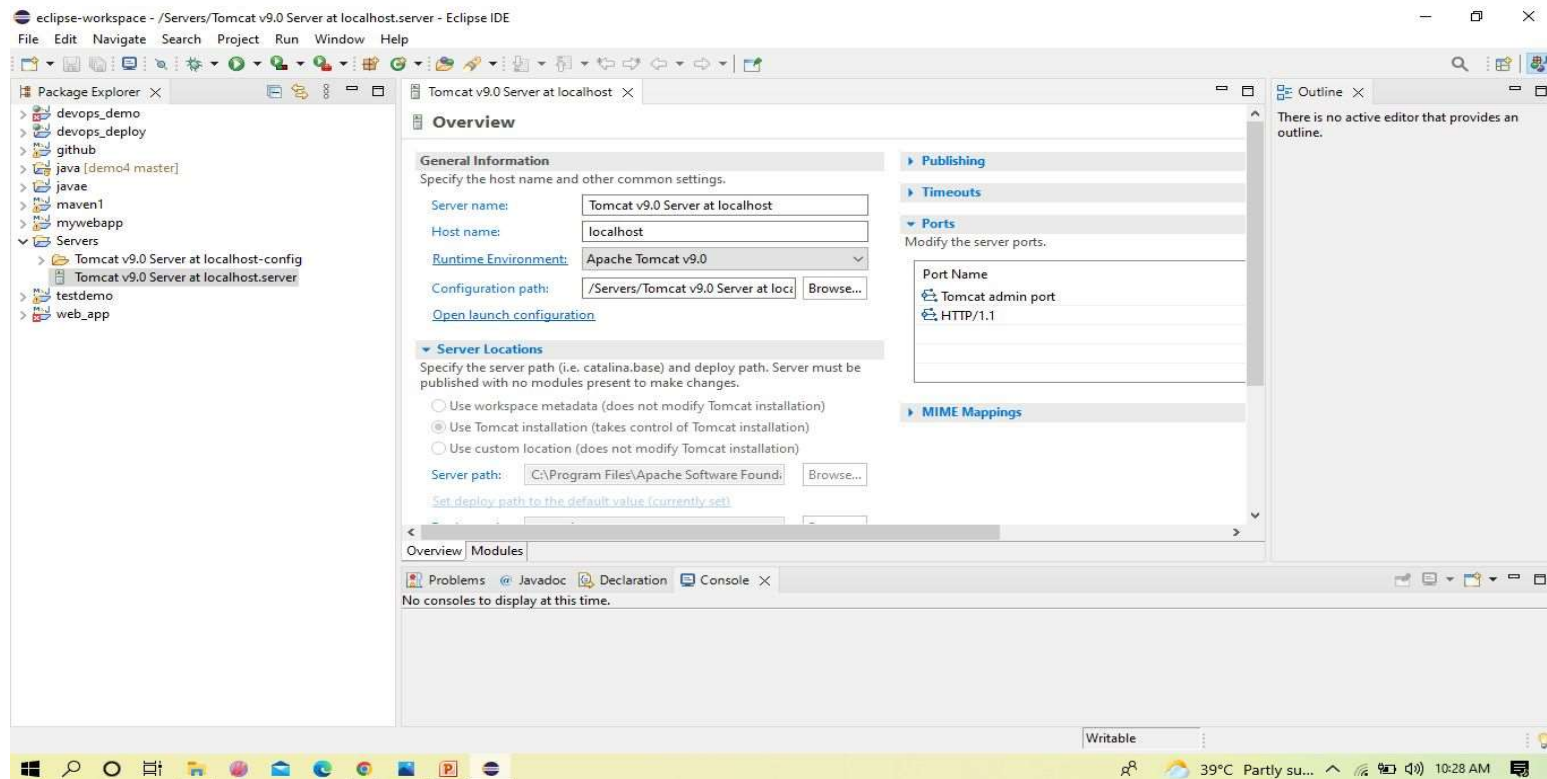
Overview Modules

Writable

33°C Sunny 12:33 PM



IN SERVER LOCATIONS MAKE SURE SECOND OPTION IS SELECTED

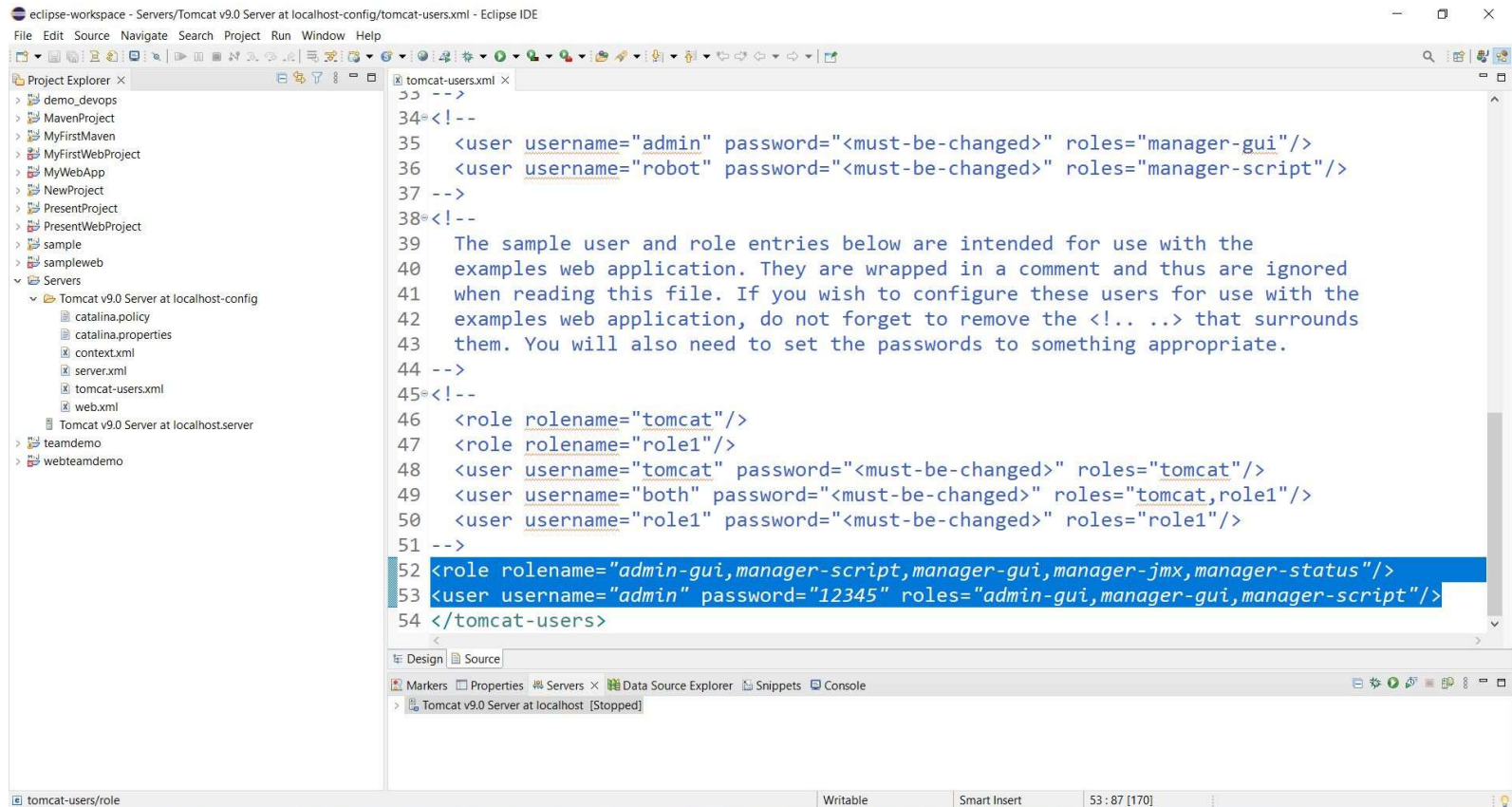


Copy the following text in the location shown in the below slides

```
<role rolename="admin-gui,manager-gui  
,manager-script,manager-jmx,manager-status"/>  
  
<user username="admin"  
password="1234"roles="manager-gui, admin-gui  
,manager-script"/>
```



Open the tomcat-users.xml file as show, and add the highlighted text in the last



```
eclipse-workspace - Servers/Tomcat v9.0 Server at localhost-config/tomcat-users.xml - Eclipse IDE
File Edit Source Navigate Search Project Run Window Help

Project Explorer
demo_devops
MavenProject
MyFirstMaven
MyFirstWebProject
MyWebApp
NewProject
PresentProject
PresentWebProject
sample
sampleweb
Servers
  Tomcat v9.0 Server at localhost-config
    catalina.policy
    catalina.properties
    context.xml
    server.xml
    tomcat-users.xml
    web.xml
  Tomcat v9.0 Server at localhost.server
teamdemo
webteamdemo

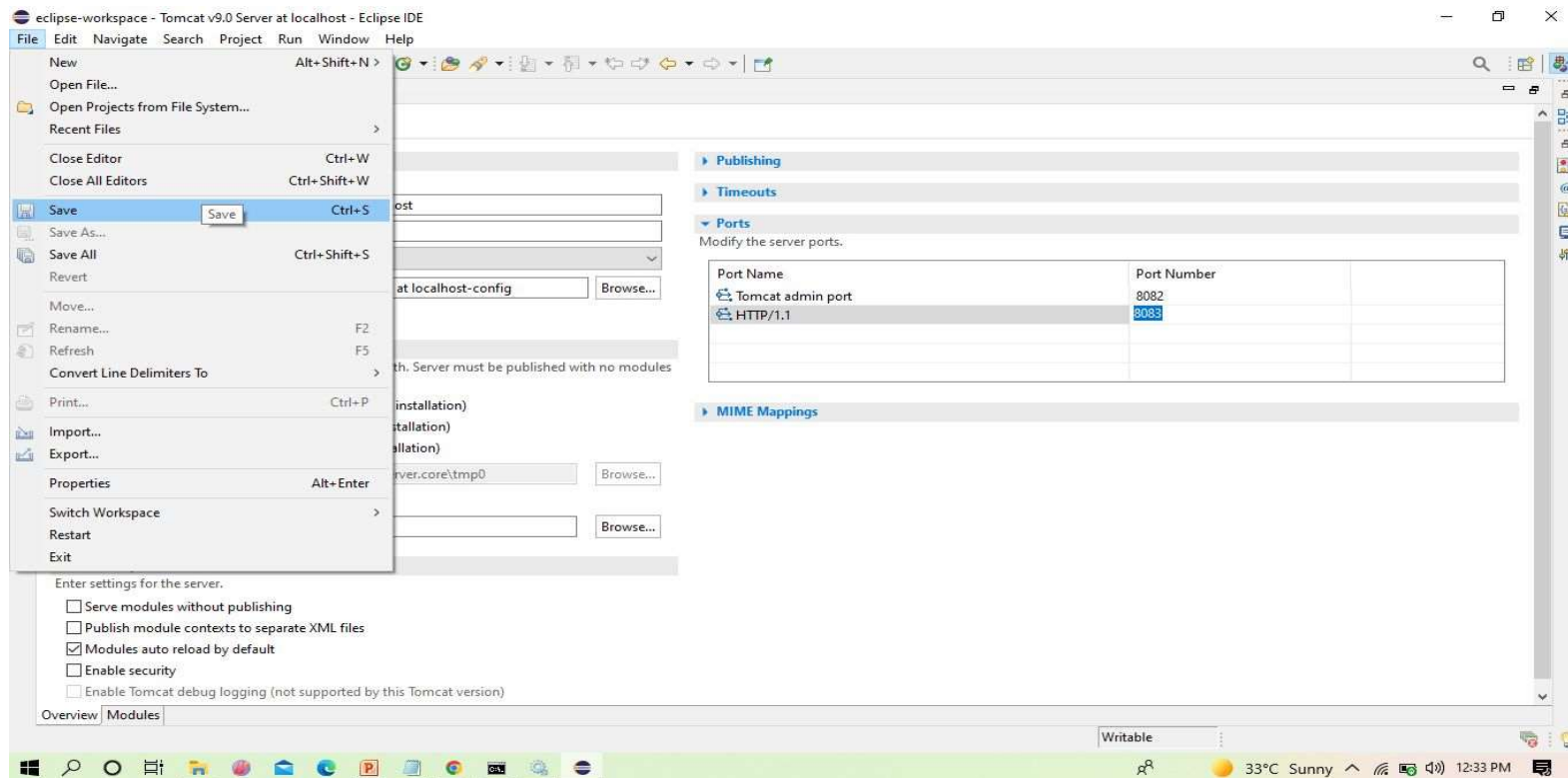
tomcat-users.xml
33 <!--
34 <!--
35 <user username="admin" password="<must-be-changed>" roles="manager-gui"/>
36 <user username="robot" password="<must-be-changed>" roles="manager-script"/>
37 -->
38 <!--
39 The sample user and role entries below are intended for use with the
40 examples web application. They are wrapped in a comment and thus are ignored
41 when reading this file. If you wish to configure these users for use with the
42 examples web application, do not forget to remove the <!-- .. --> that surrounds
43 them. You will also need to set the passwords to something appropriate.
44 -->
45 <!--
46 <role rolename="tomcat"/>
47 <role rolename="role1"/>
48 <user username="tomcat" password="<must-be-changed>" roles="tomcat"/>
49 <user username="both" password="<must-be-changed>" roles="tomcat,role1"/>
50 <user username="role1" password="<must-be-changed>" roles="role1"/>
51 -->
52 <role rolename="admin-gui,manager-script,manager-gui,manager-jmx,manager-status"/>
53 <user username="admin" password="12345" roles="admin-gui,manager-gui,manager-script"/>
54 </tomcat-users>

Design Source
Markers Properties Servers Data Source Explorer Snippets Console
Tomcat v9.0 Server at localhost [Stopped]

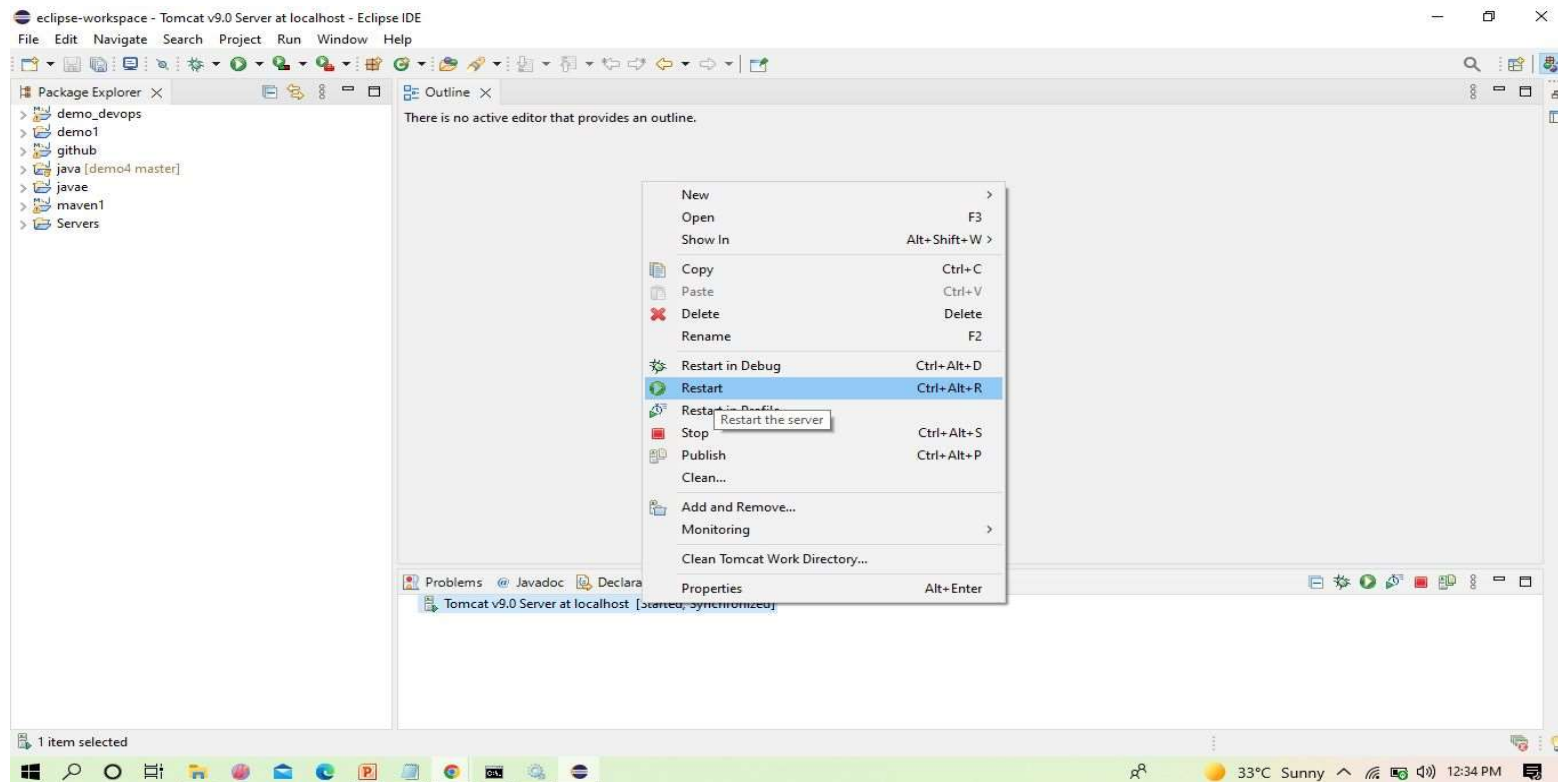
tomcat-users/role Writable Smart Insert 53 : 87 [170]
```



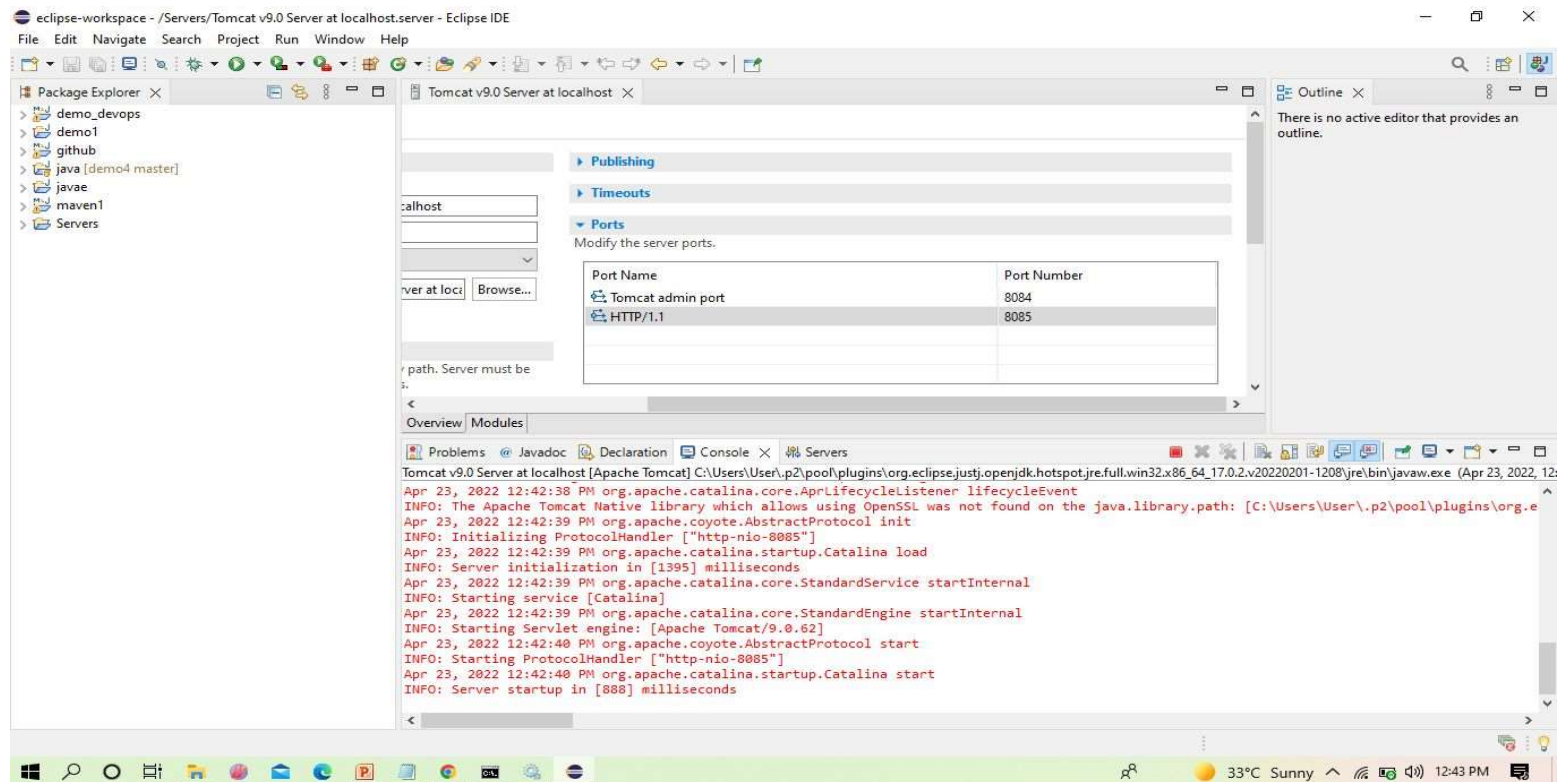
AFTER THE CHANGES, CLICK ON SAVE



NOW RESTART THE SERVER



THE SERVER GETS RESTARTED AS SHOWN



WE CAN SEE THE TOMCAT IS SUCCESSFULLY RUNNING ON THE NEW PORT NUMBER

The screenshot shows the Eclipse IDE interface with the 'Tomcat v9.0 Server at localhost' configuration window open. The configuration details are as follows:

- Host name: localhost
- Runtime Environment: Apache Tomcat v9.0
- Configuration path: /Servers/Tomcat v9.0 Server at localhost/conf/
- Server Locations: ☒ Use Tomcat installation (takes control of Tomcat installation)

The 'Ports' tab is also visible, showing the following table:

Port Name	Port Number
Tomcat admin port	8090
HTTP/1.1	8085

Below the configuration window, the 'Internal Web Browser' is open, displaying the Apache Tomcat/9.0.62 welcome page. The page includes a navigation bar with links to Home, Documentation, Configuration, Examples, Wiki, and Mailing Lists. A green banner reads: 'If you're seeing this, you've successfully installed Tomcat. Congratulations!'. Below this, there is a 'Recommended Reading' section with links to 'Security Considerations How-To', 'Manager Application How-To', and 'Clustering/Session Replication How-To'. On the right side of the page, there are buttons for 'Server Status', 'Manager App', and 'Host Manager'.

