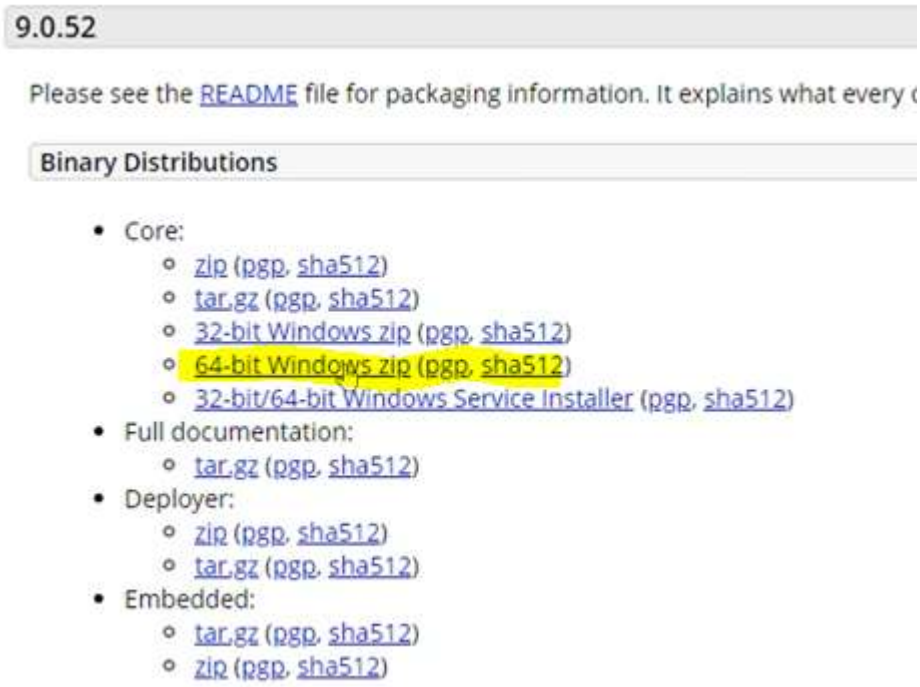
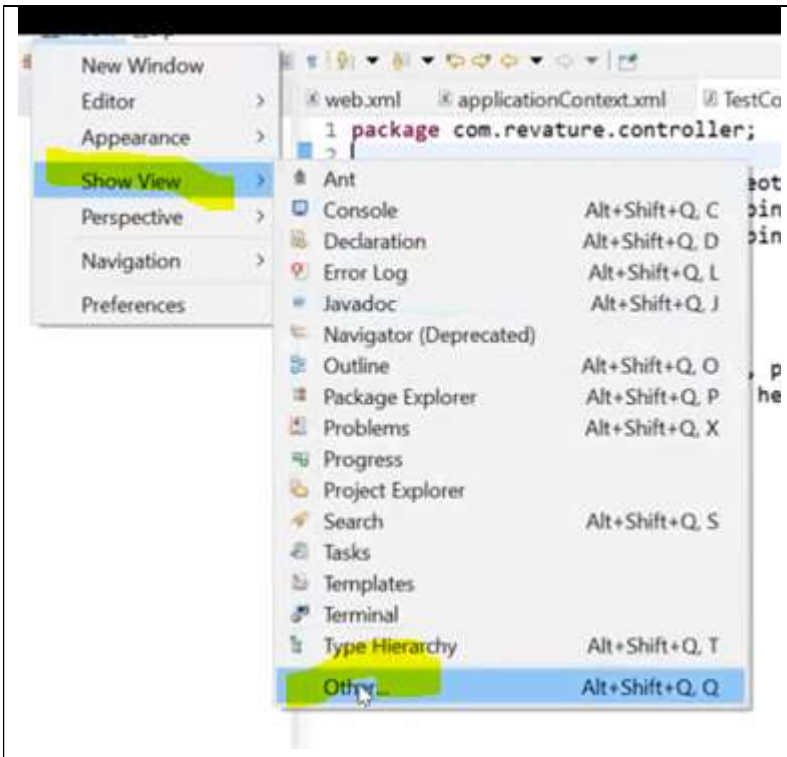
Tomcat Server Install on Localhost

Tomcat server
https://tomcat.apache.org/download-90.cgi

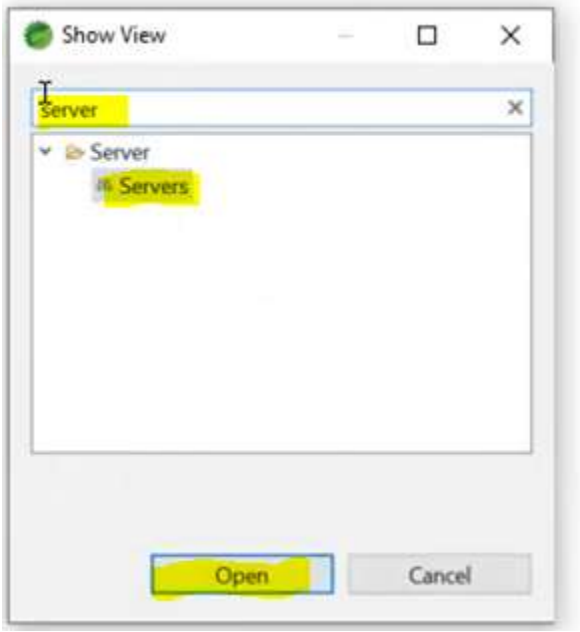
Download to folder and unzip, do not have to install



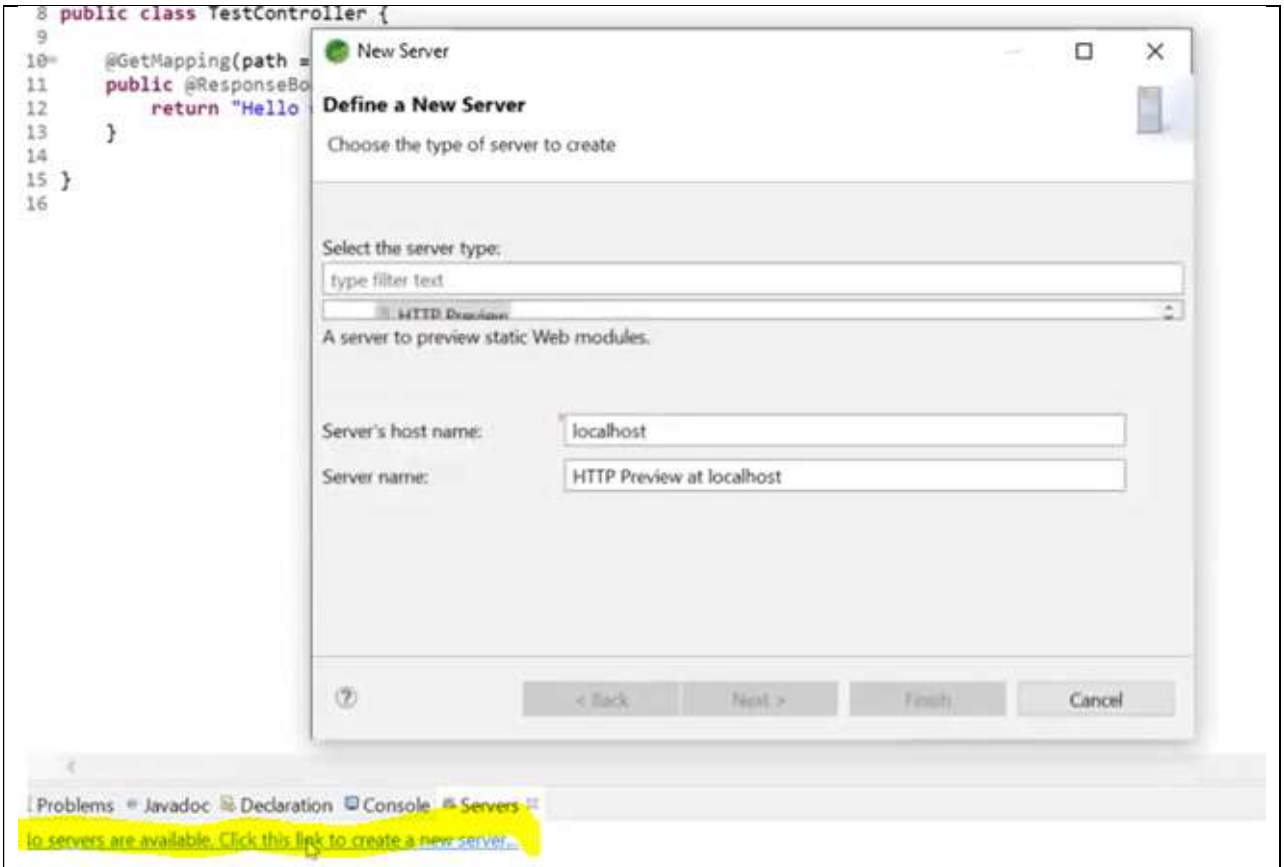
Configure Tomcat server in Spring Tools IDE
Window ➔ Show View ➔ Other

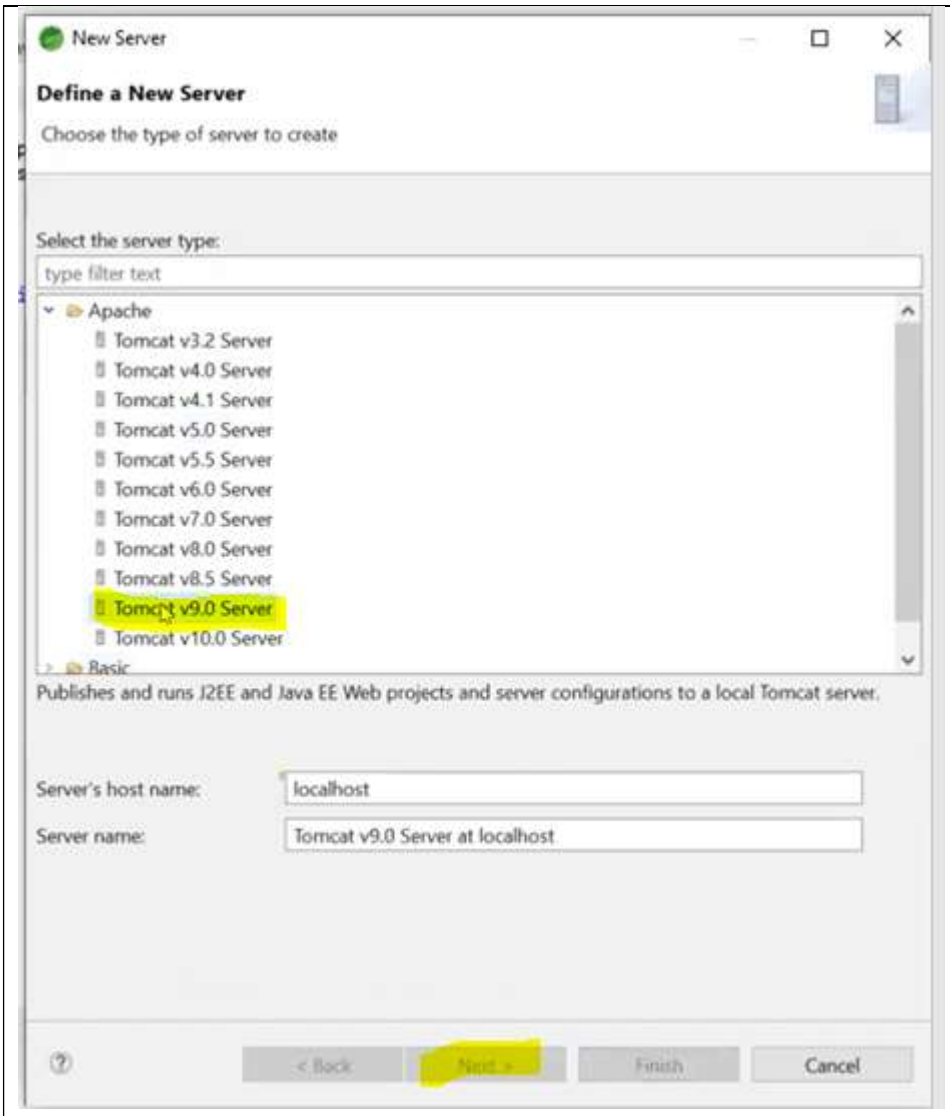


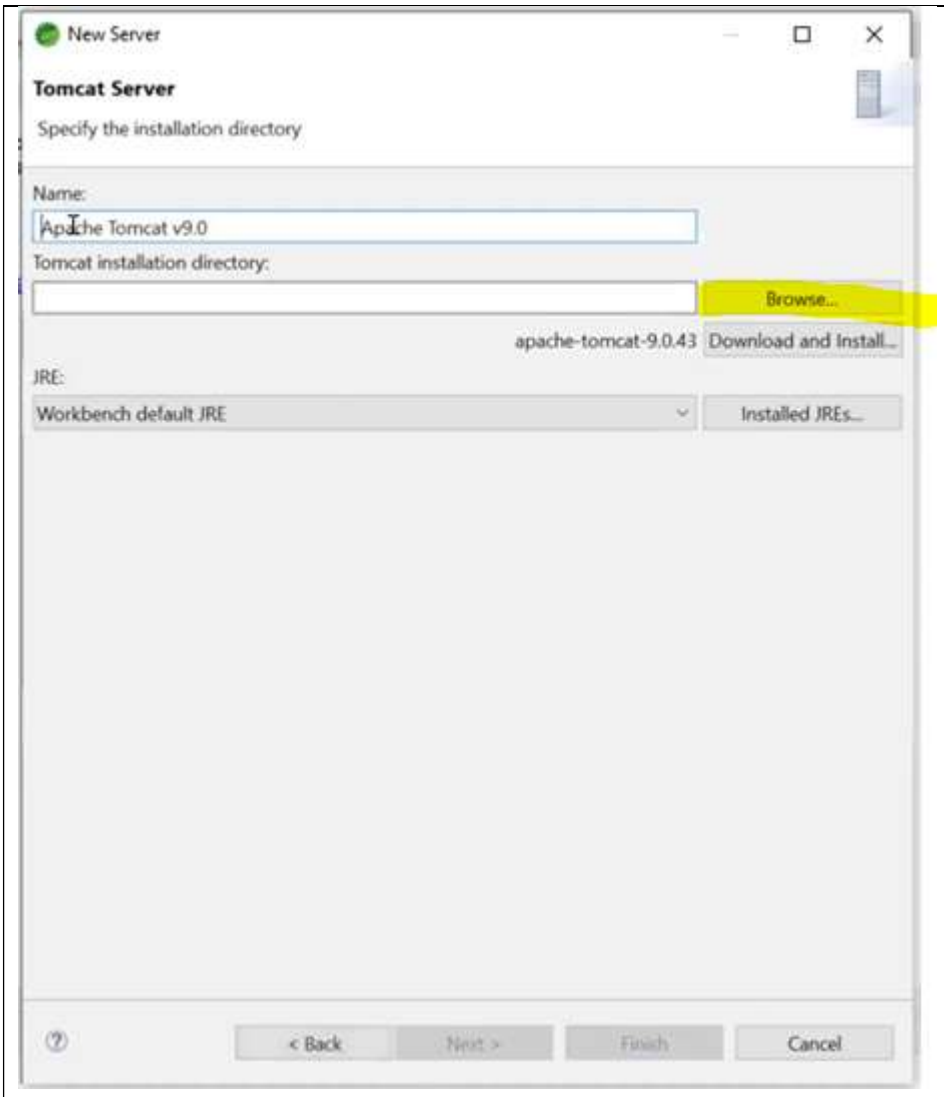
Search for Server

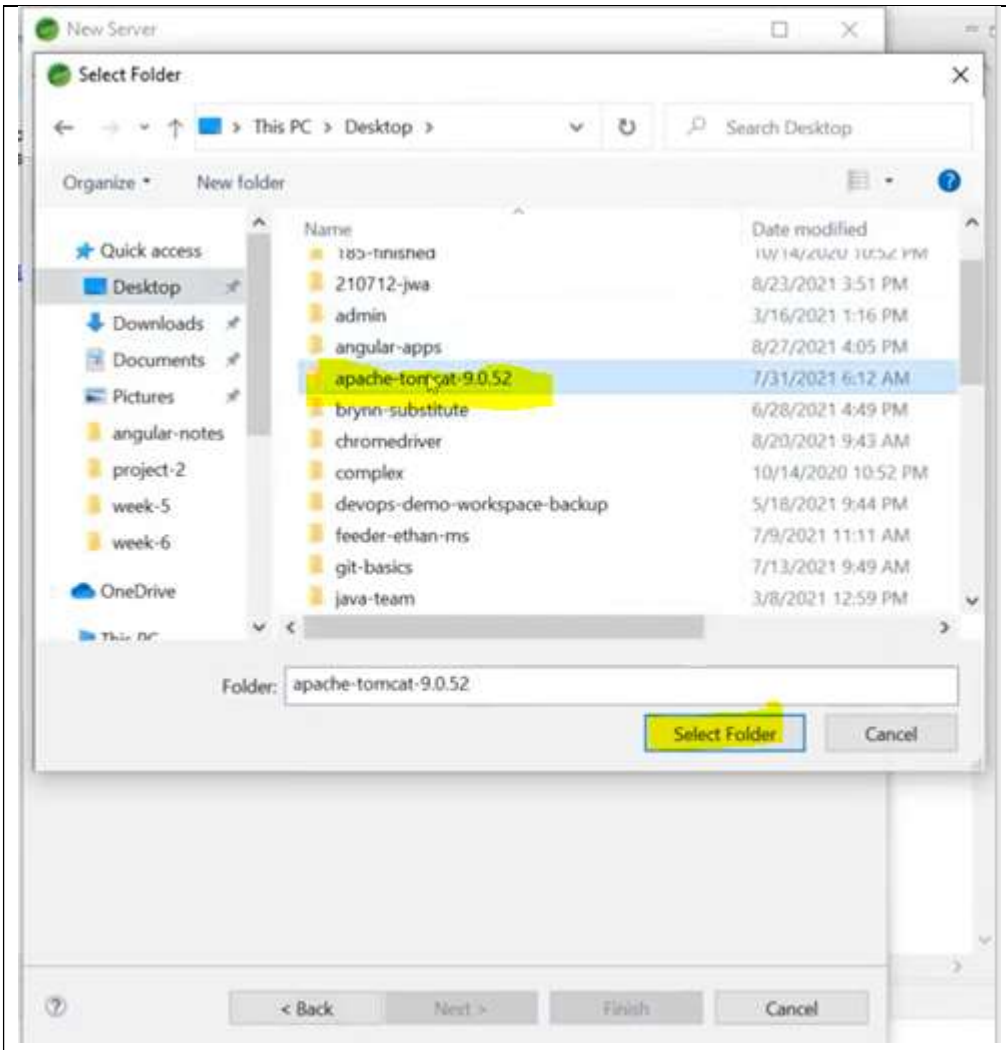


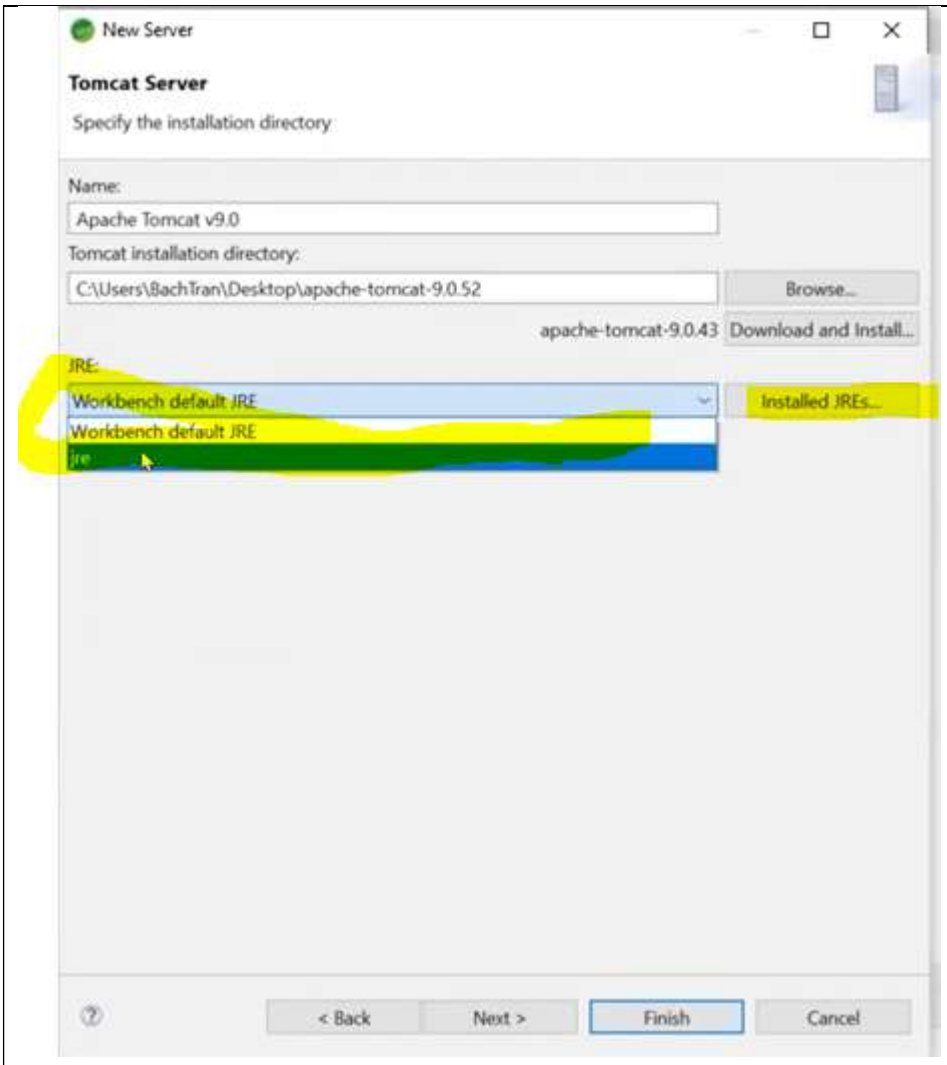
Click link to add a new server

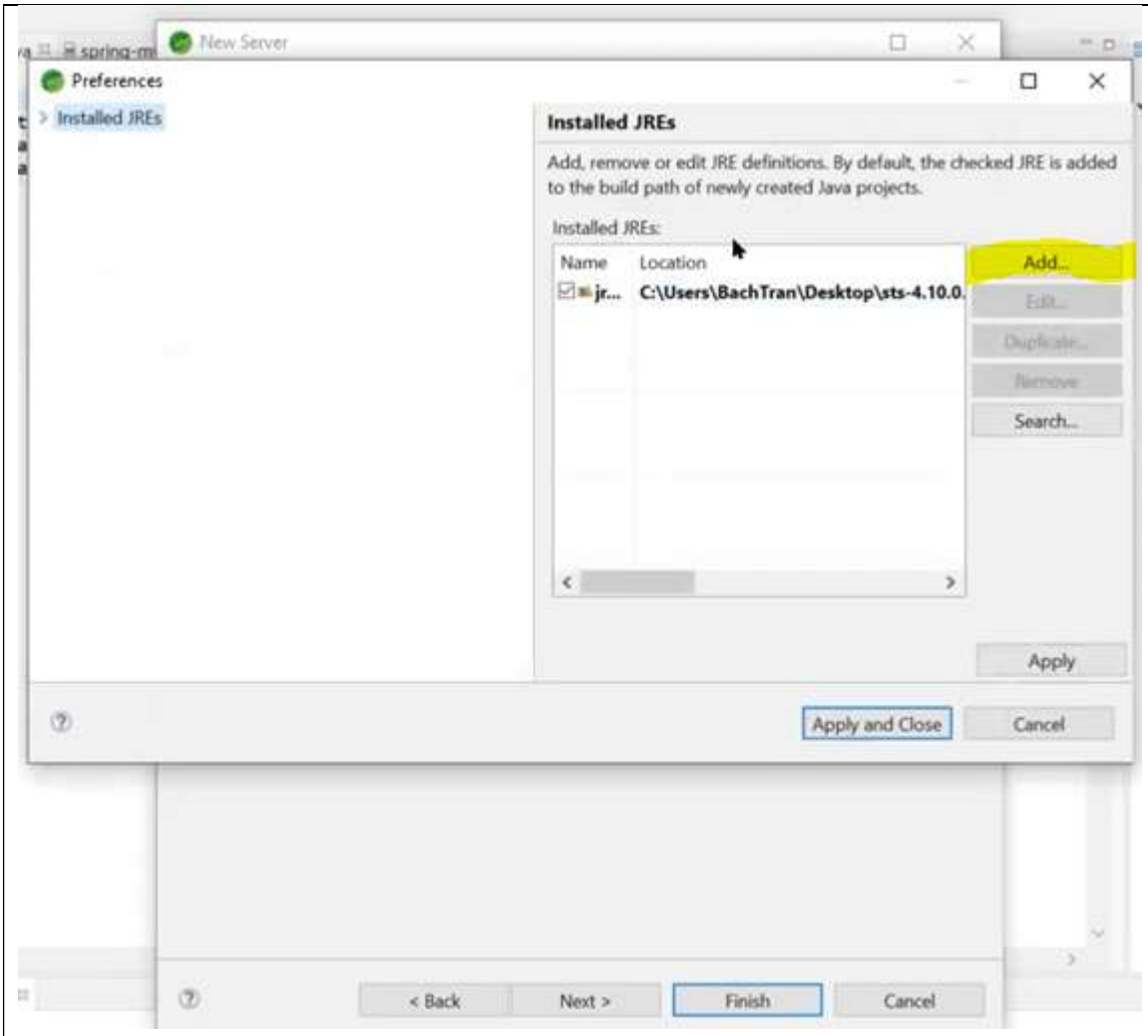

public class TestController {
@GetMapping(path =
public @ResponseBo
return "Hello
}
}
New Server
Define a New Server
Choose the type of server to create
Select the server type:
type filter text
HTTP Preview
A server to preview static Web modules.
Server's host name:
localhost
Server name:
HTTP Preview at localhost
< Back
Next >
Finish
Cancel
Problems
Javadoc
Declaration
Console
Servers
lo servers are available. Click this link to create a new server...


New Server
Define a New Server
Choose the type of server to create
Select the server type:
type filter text
Apache
Tomcat v3.2 Server
Tomcat v4.0 Server
Tomcat v4.1 Server
Tomcat v5.0 Server
Tomcat v5.5 Server
Tomcat v6.0 Server
Tomcat v7.0 Server
Tomcat v8.0 Server
Tomcat v8.5 Server
Tomcat v9.0 Server
Tomcat v10.0 Server
Basic
Publishes and runs J2EE and Java EE Web projects and server configurations to a local Tomcat server.
Server's host name:
localhost
Server name:
Tomcat v9.0 Server at localhost
< Back
Next >
Finish
Cancel

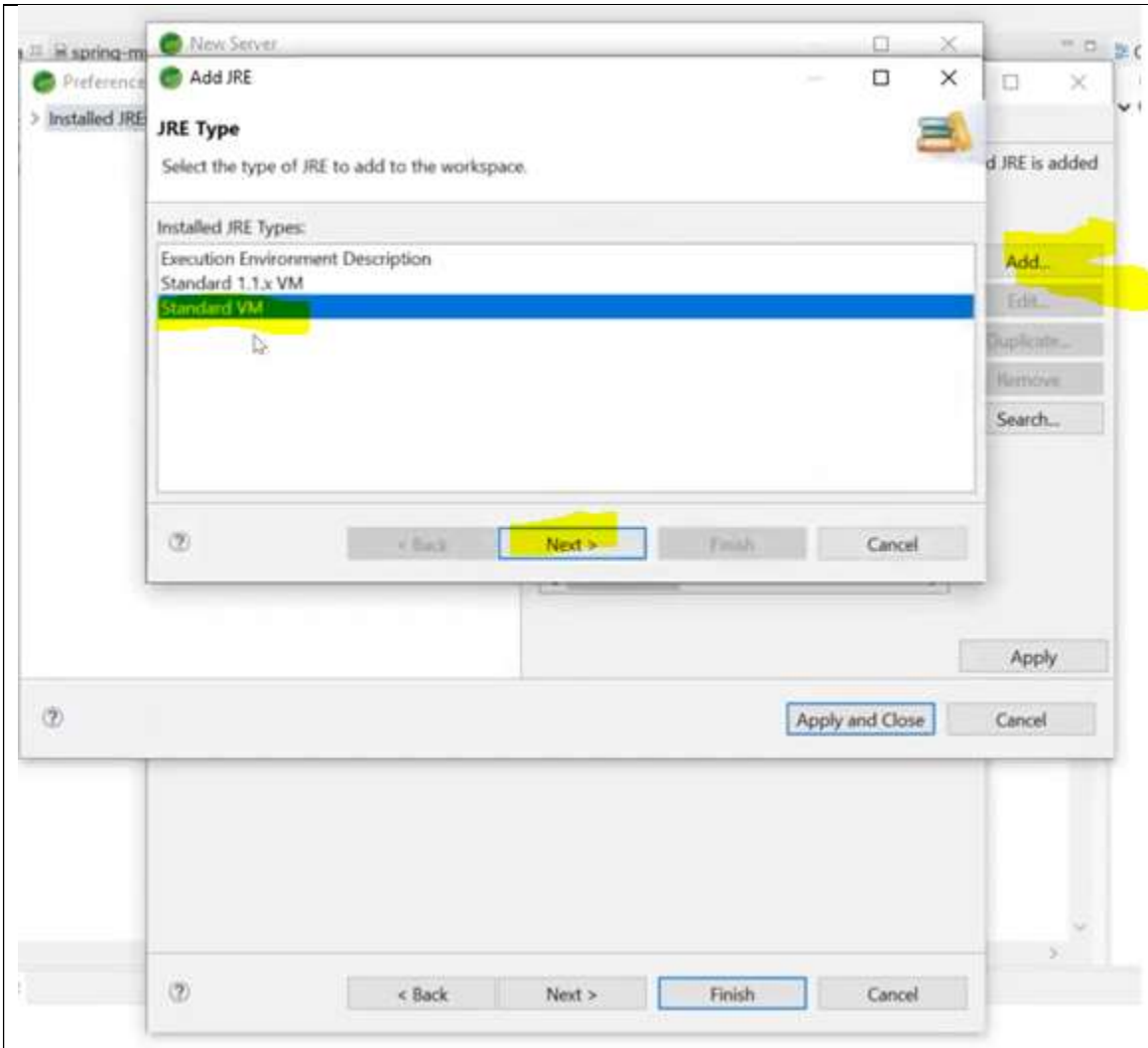

New Server
Tomcat Server
Specify the installation directory
Name:
Apache Tomcat v9.0
Tomcat installation directory:
Browse...
apache-tomcat-9.0.43
Download and Install...
JRE:
Workbench default JRE
Installed JREs...
< Back
Next >
Finish
Cancel

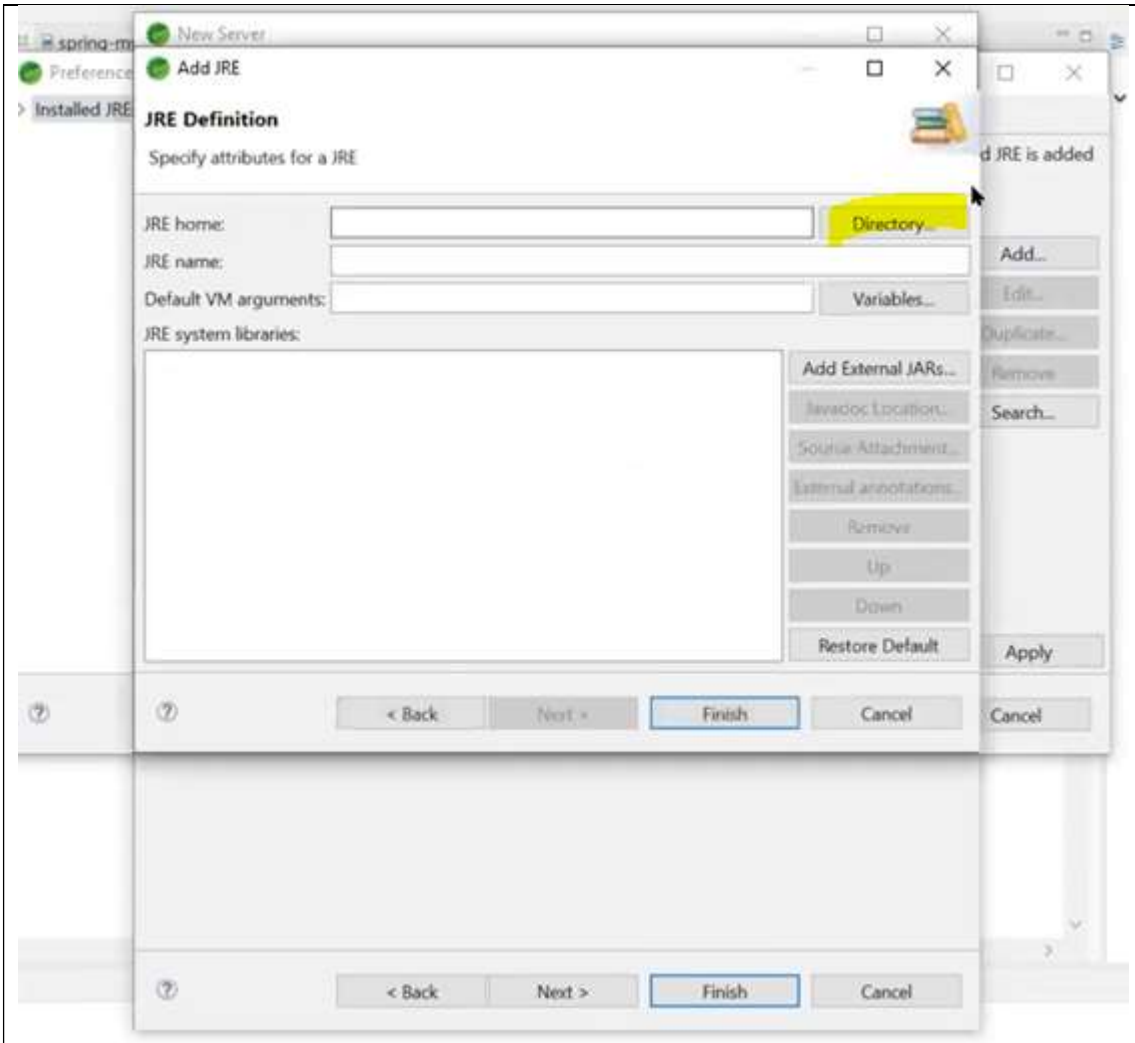

New Server
Select Folder
This PC › Desktop ›
Search Desktop
Organize
New folder
Quick access
Desktop
Downloads
Documents
Pictures
angular-notes
project-2
week-5
week-6
OneDrive
Name
Date modified
185-finished
210712-jwa
8/23/2021 3:51 PM
admin
3/16/2021 1:16 PM
angular-apps
8/27/2021 4:05 PM
apache-tomcat-9.0.52
7/31/2021 6:12 AM
brynn-substitute
6/28/2021 4:49 PM
chromedriver
8/20/2021 9:43 AM
complex
10/14/2020 10:52 PM
devops-demo-workspace-backup
5/18/2021 9:44 PM
feeder-ethan-ms
7/9/2021 11:11 AM
git-basics
7/13/2021 9:49 AM
java-team
3/8/2021 12:59 PM
Folder:
apache-tomcat-9.0.52
Select Folder
Cancel
< Back
Next >
Finish
Cancel

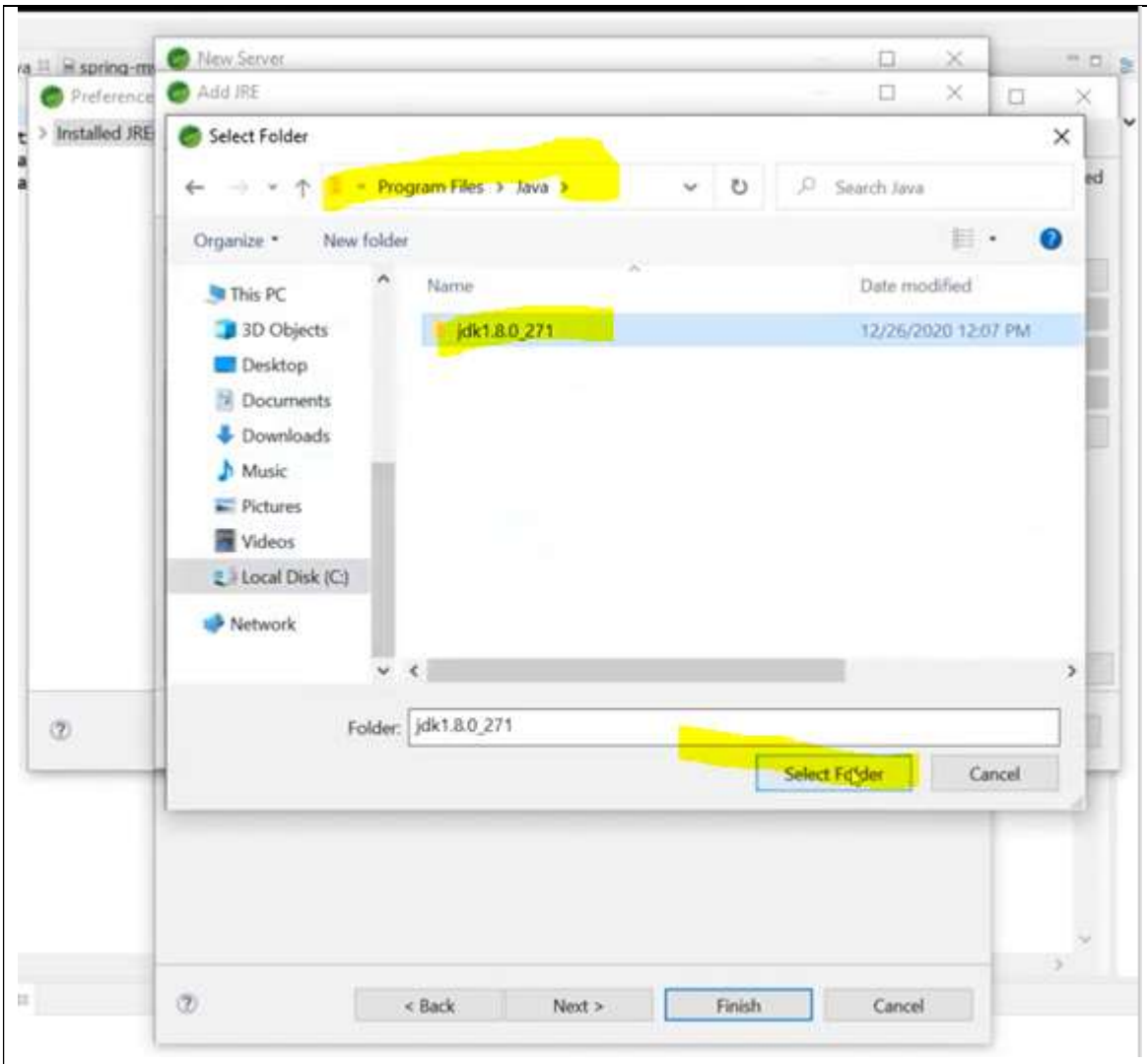

New Server
Tomcat Server
Specify the installation directory
Name:
Apache Tomcat v9.0
Tomcat installation directory:
C:\Users\BachTran\Desktop\apache-tomcat-9.0.52
Browse...
apache-tomcat-9.0.43
Download and Install...
JRE:
Workbench default JRE
Installed JREs...
Workbench default JRE
jre
< Back
Next >
Finish
Cancel

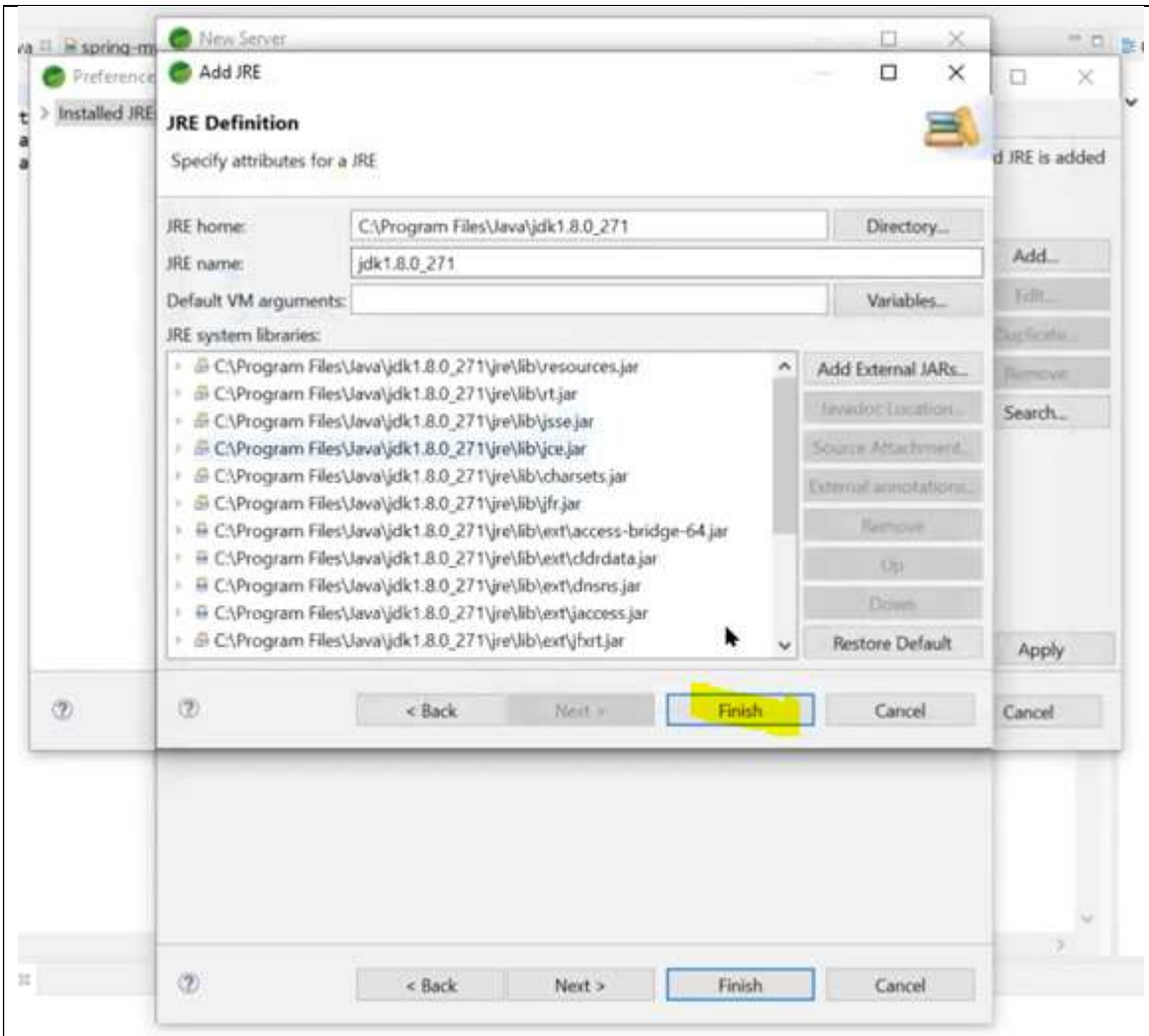


Add the Java JRE from your machine
Usually located: C:\Program Files\Java
Select the jre 1.8.nnn version

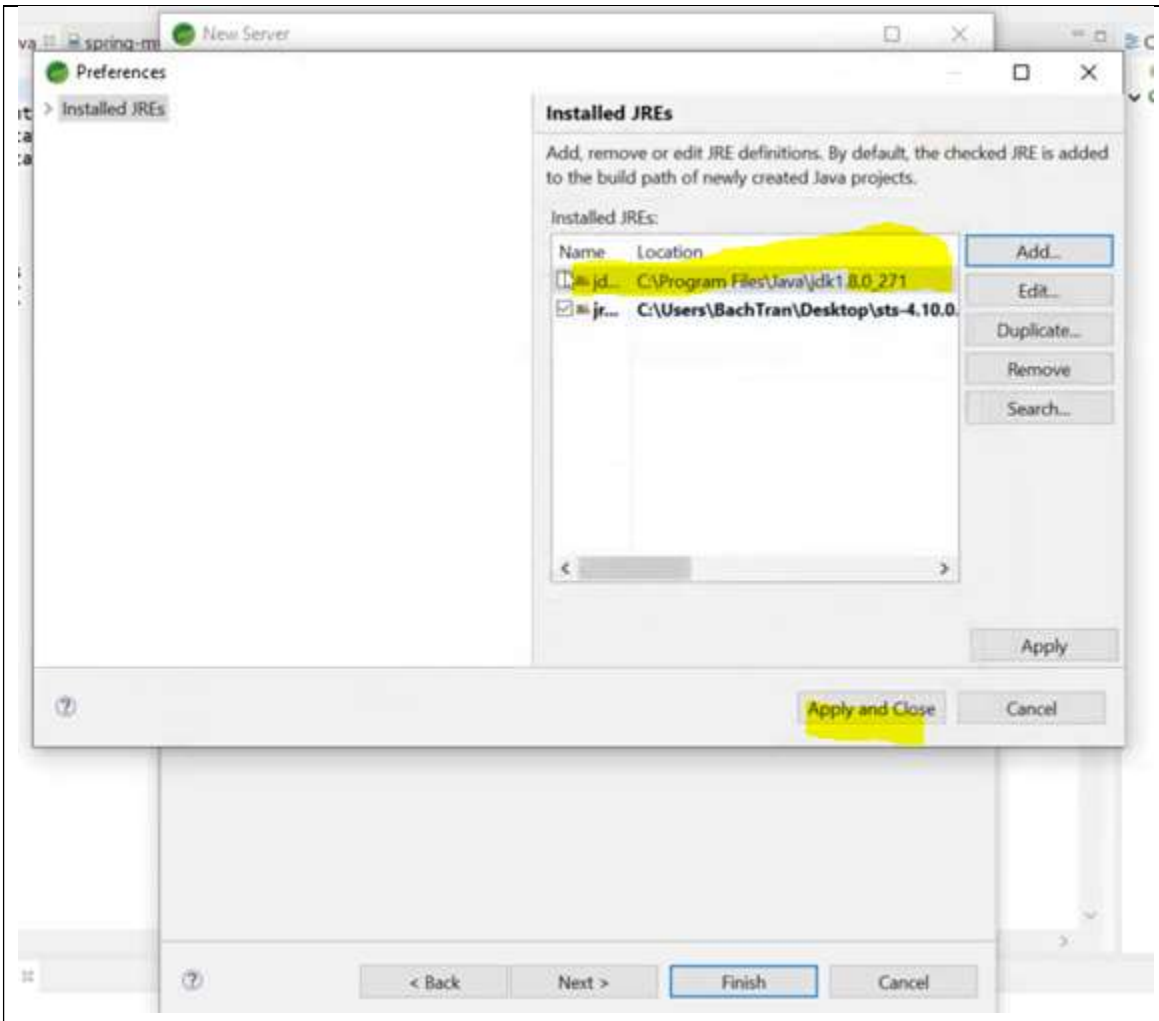

New Server
Add JRE
JRE Type
Select the type of JRE to add to the workspace.
Installed JRE Types:
Execution Environment Description
Standard 1.1.x VM
Standard VM
Next >
Cancel
Add...
Search...
Apply
Apply and Close
Cancel
< Back
Next >
Finish
Cancel

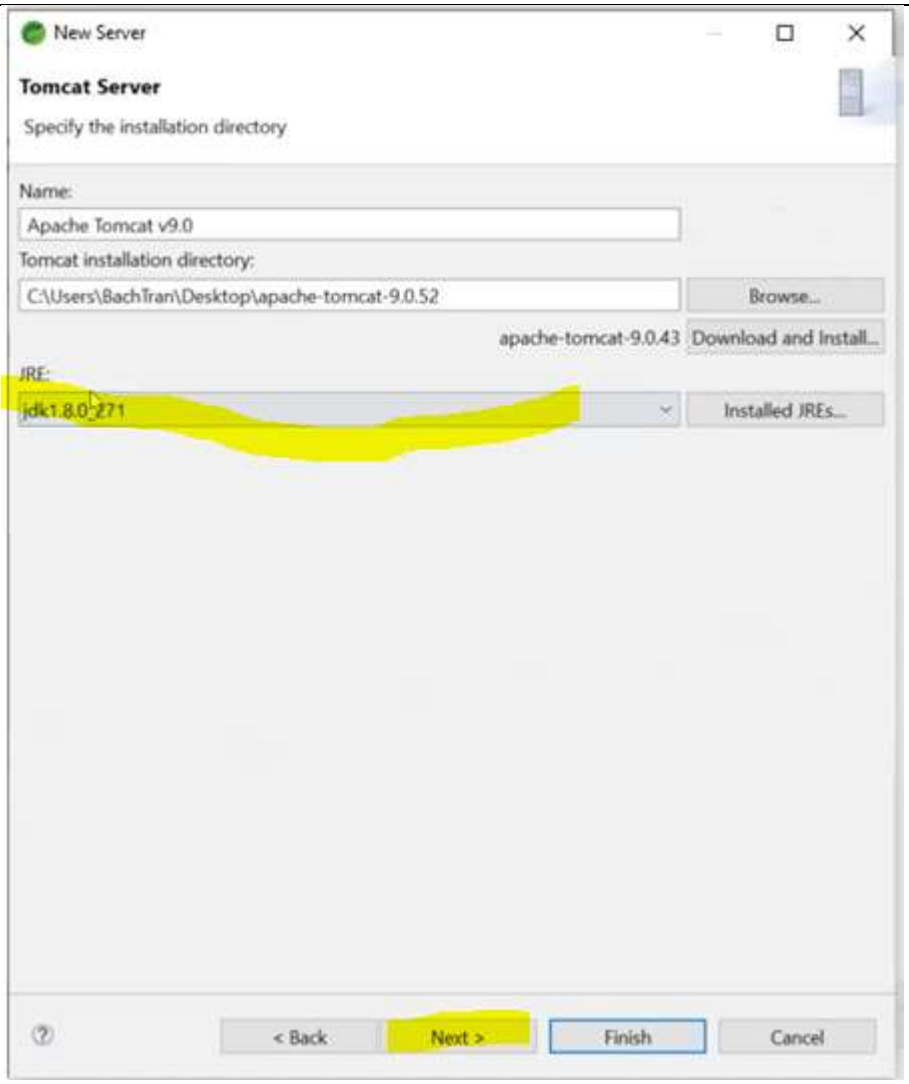

New Server
Add JRE
JRE Definition
Specify attributes for a JRE
JRE home:
Directory...
JRE name:
Default VM arguments:
Variables...
JRE system libraries:
Add External JARs...
Javadoc Location...
Source Attachment...
External annotations...
Remove
Up
Down
Restore Default
< Back
Next >
Finish
Cancel
Add...
Edit...
Duplicate...
Remove
Search...
Apply
Cancel


New Server
Add JRE
Preferences
Installed JREs
Select Folder
Program Files › Java ›
Search Java
Organize
New folder
This PC
3D Objects
Desktop
Documents
Downloads
Music
Pictures
Videos
Local Disk (C:)
Network
Name
Date modified
jdk1.8.0_271
12/26/2020 12:07 PM
Folder:
jdk1.8.0_271
Select Folder
Cancel
< Back
Next >
Finish
Cancel

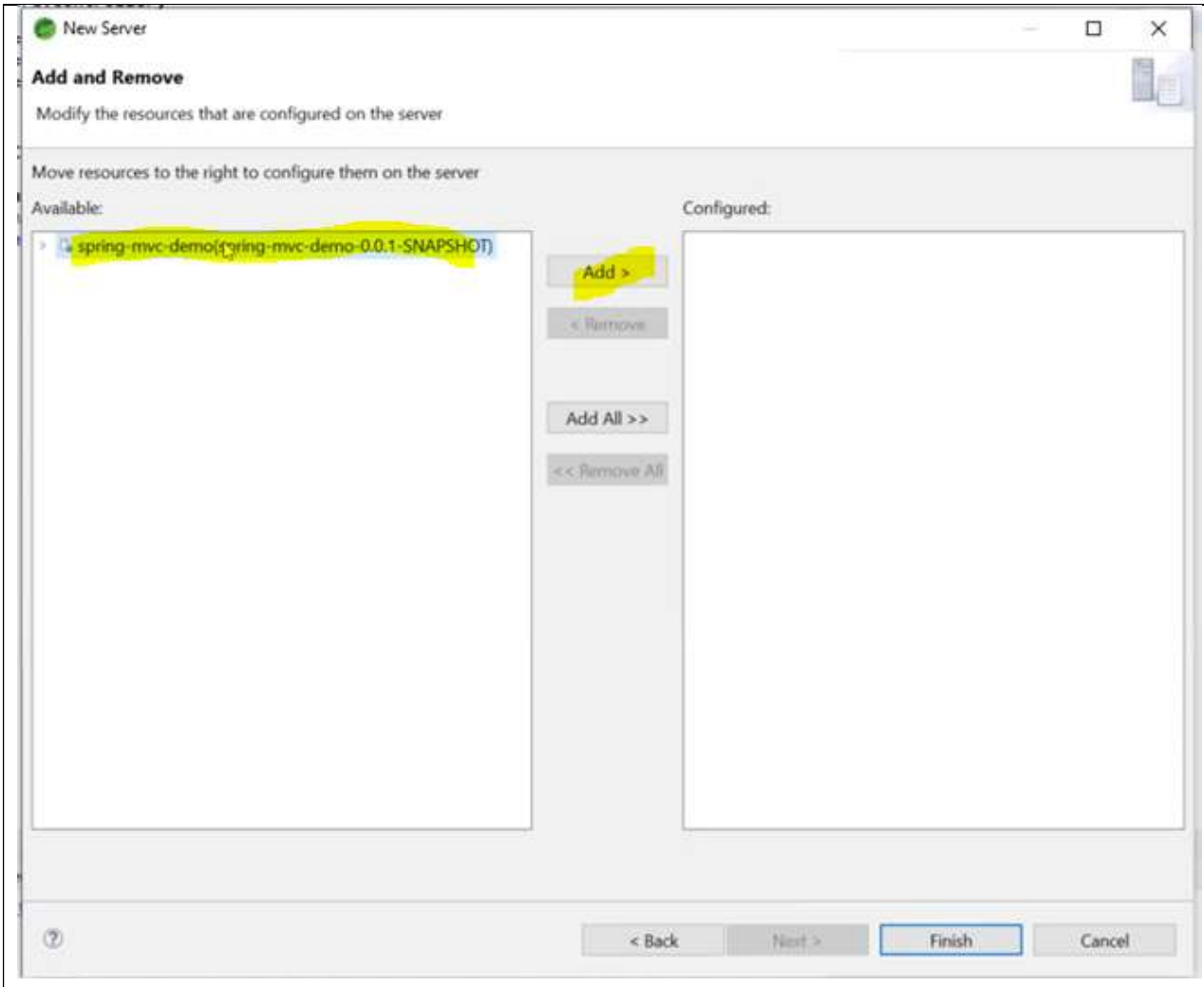


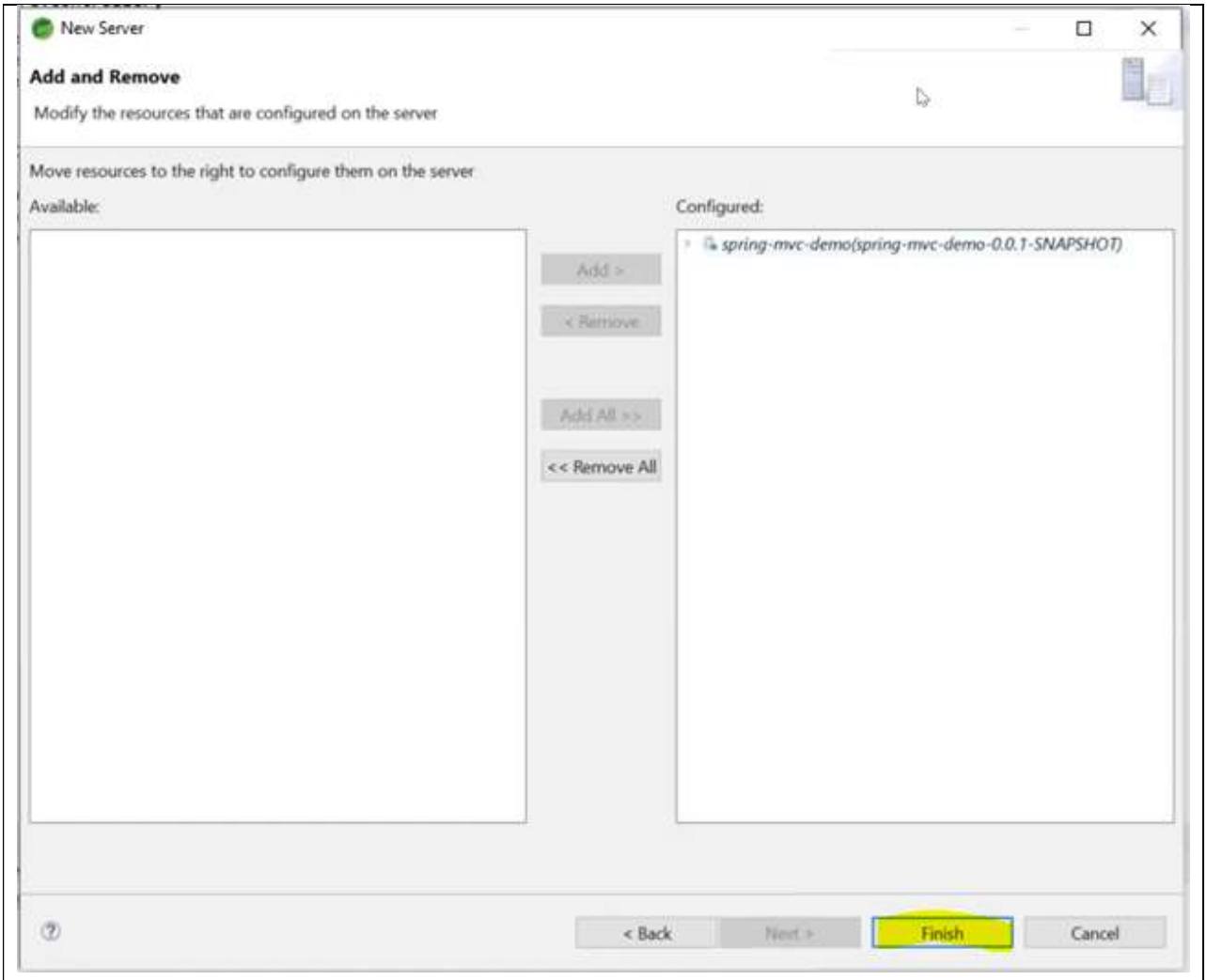
Click the checkbox of the jre just added to make the default.


New Server
Preferences
Installed JREs
Installed JREs
Add, remove or edit JRE definitions. By default, the checked JRE is added to the build path of newly created Java projects.
Installed JREs:
Name
Location
jd...
C:\Program Files\Java\jdk1.8.0_271
jr...
C:\Users\BachTran\Desktop\sts-4.10.0.
Add...
Edit...
Duplicate...
Remove
Search...
Apply
Apply and Close
Cancel
< Back
Next >
Finish
Cancel

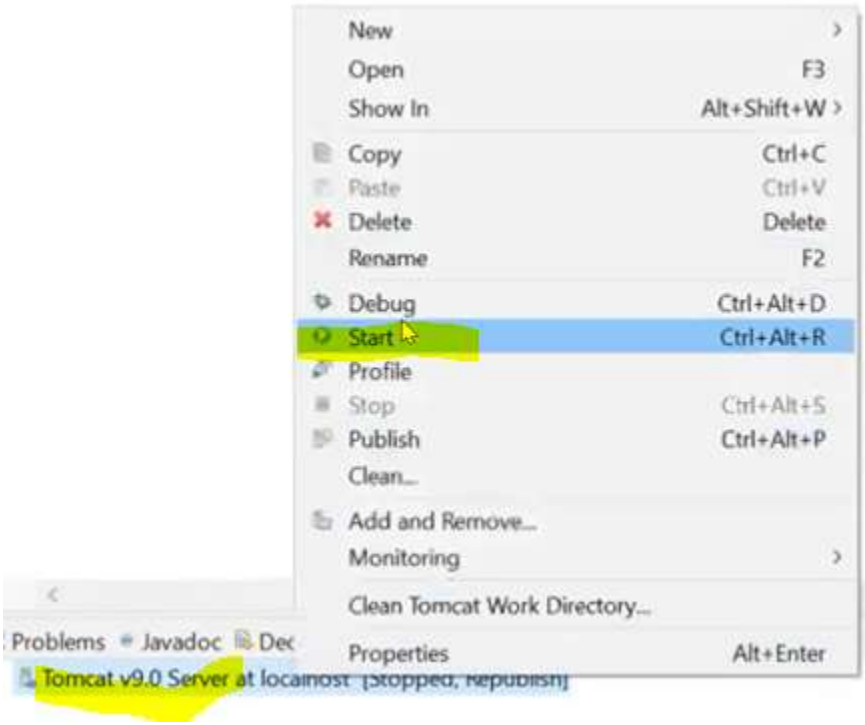


Add an MVC project to the server.

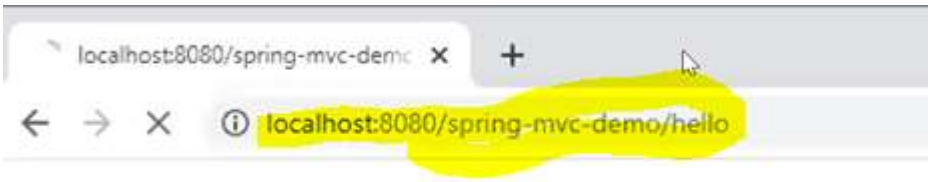

New Server
Add and Remove
Modify the resources that are configured on the server
Move resources to the right to configure them on the server
Available:
spring-mvc-demo(spring-mvc-demo-0.0.1-SNAPSHOT)
Add >
< Remove
Add All >>
<< Remove All
Configured:
< Back
Next >
Finish
Cancel



Right click on server then click start

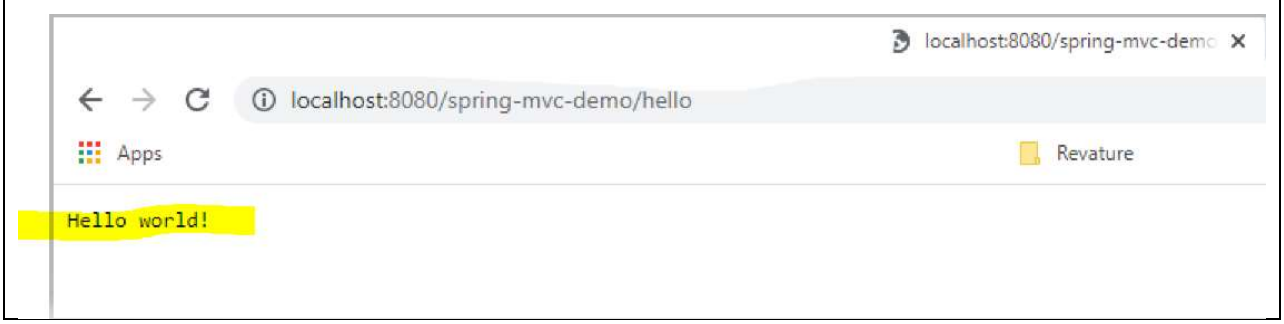


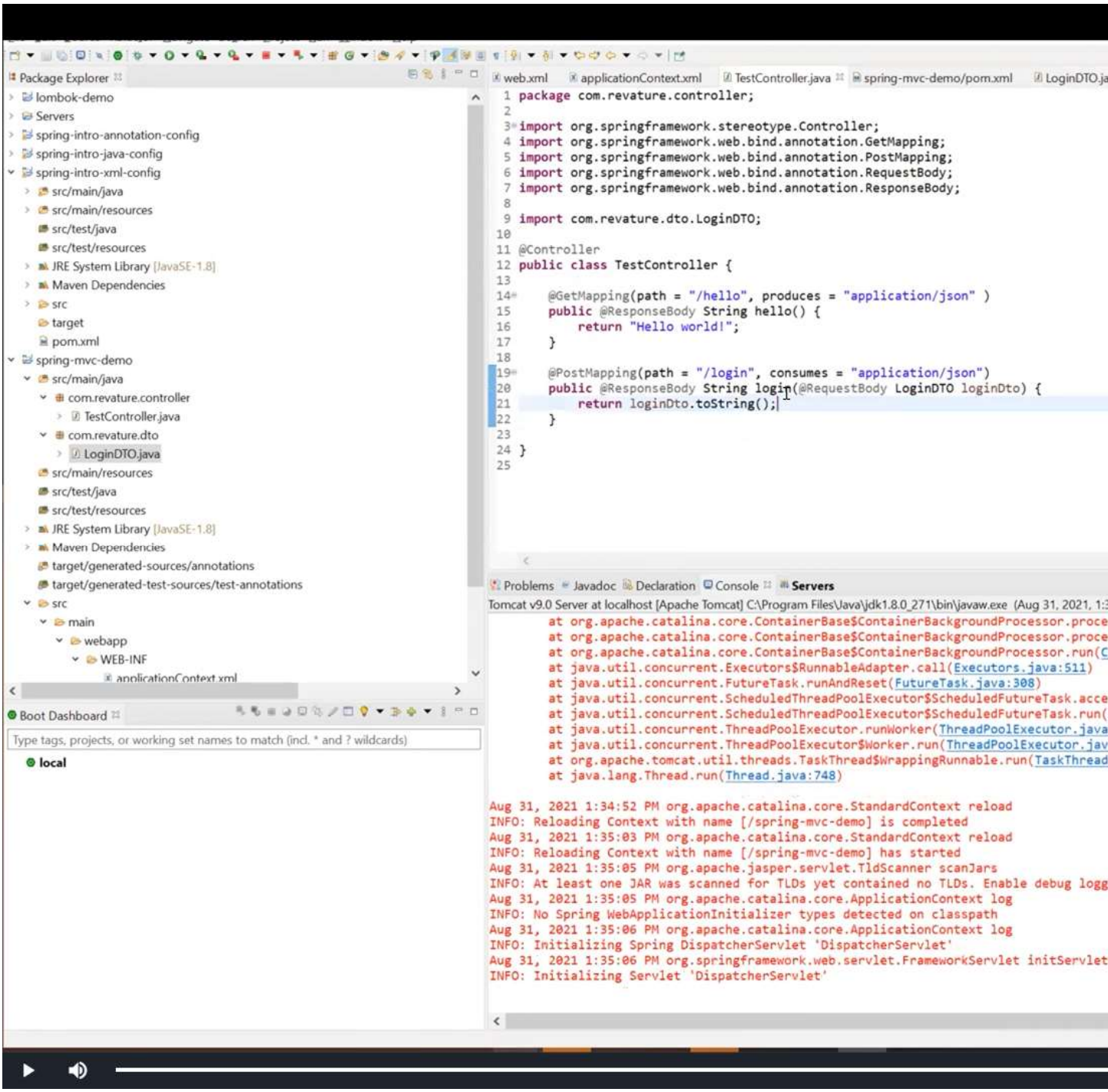
Test server using the browser



localhost:8080/spring-mvc-demo/hello

Tomcat Server Setup Complete




Package Explorer
lombok-demo
Servers
spring-intro-annotation-config
spring-intro-java-config
spring-intro-xml-config
src/main/java
src/main/resources
src/test/java
src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
src
target
pom.xml
spring-mvc-demo
src/main/java
com.revature.controller
TestController.java
com.revature.dto
LoginDTO.java
src/main/resources
src/test/java
src/test/resources
JRE System Library [JavaSE-1.8]
Maven Dependencies
target/generated-sources/annotations
target/generated-test-sources/test-annotations
src
main
webapp
WEB-INF
applicationContext.xml
Boot Dashboard
Type tags, projects, or working set names to match (incl. * and ? wildcards)
local
web.xml
applicationContext.xml
TestController.java
spring-mvc-demo/pom.xml
LoginDTO.ja
1 package com.revature.controller;
2
3 import org.springframework.stereotype.Controller;
4 import org.springframework.web.bind.annotation.GetMapping;
5 import org.springframework.web.bind.annotation.PostMapping;
6 import org.springframework.web.bind.annotation.RequestBody;
7 import org.springframework.web.bind.annotation.ResponseBody;
8
9 import com.revature.dto.LoginDTO;
10
11 @Controller
12 public class TestController {
13
14 @GetMapping(path = "/hello", produces = "application/json")
15 public @ResponseBody String hello() {
16 return "Hello world!";
17 }
18
19 @PostMapping(path = "/login", consumes = "application/json")
20 public @ResponseBody String login(@RequestBody LoginDTO loginDto) {
21 return loginDto.toString();
22 }
23
24 }
25
Problems
Javadoc
Declaration
Console
Servers
Tomcat v9.0 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk1.8.0_271\bin\javaw.exe (Aug 31, 2021, 1:
at org.apache.catalina.core.ContainerBase$ContainerBackgroundProcessor.proce
at org.apache.catalina.core.ContainerBase$ContainerBackgroundProcessor.proce
at org.apache.catalina.core.ContainerBase$ContainerBackgroundProcessor.run(C
at java.util.concurrent.Executors$RunnableAdapter.call(Executors.java:511)
at java.util.concurrent.FutureTask.runAndReset(FutureTask.java:308)
at java.util.concurrent.ScheduledThreadPoolExecutor$ScheduledFutureTask.acce
at java.util.concurrent.ScheduledThreadPoolExecutor$ScheduledFutureTask.run(
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java
at java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.jav
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread
at java.lang.Thread.run(Thread.java:748)
Aug 31, 2021 1:34:52 PM org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/spring-mvc-demo] is completed
Aug 31, 2021 1:35:03 PM org.apache.catalina.core.StandardContext reload
INFO: Reloading Context with name [/spring-mvc-demo] has started
Aug 31, 2021 1:35:05 PM org.apache.jasper.servlet.TldScanner scanJars
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logg
Aug 31, 2021 1:35:05 PM org.apache.catalina.core.ApplicationContext log
INFO: No Spring WebApplicationInitializer types detected on classpath
Aug 31, 2021 1:35:06 PM org.apache.catalina.core.ApplicationContext log
INFO: Initializing Spring DispatcherServlet 'DispatcherServlet'
Aug 31, 2021 1:35:06 PM org.springframework.web.servlet.FrameworkServlet initServlet
INFO: Initializing Servlet 'DispatcherServlet'