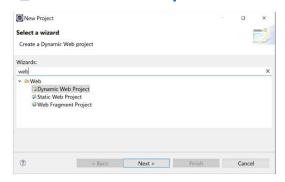
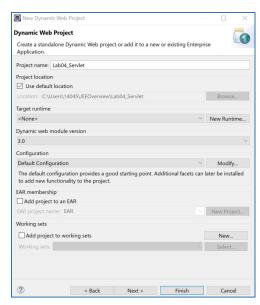
- Launch Eclipse selecting a default workspace
- Create a new Dynamic Web Project
  - Use the menu bar to select a new project (Files>New>Project...)
  - Search for Dynamic Web Project in the search bar, select the Dynamic Web Project and then "Next >"
  - Enter "Lab04\_Servlet as the Project Name and then select "Finish >" 1

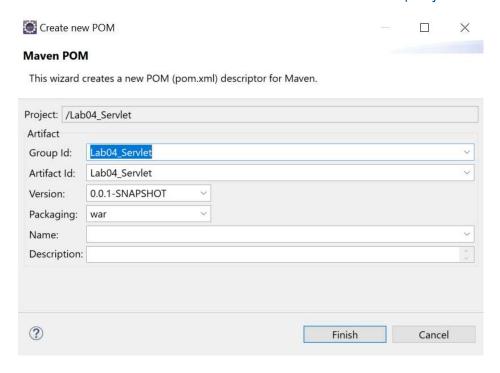




• Open the EE perspective if prompted (otherwise select Window>Perspective>Open Perspective>Java EE to open the EE perspective)

# Convert the project to a Maven project

- Within the Project Explorer, configure the project as a Maven project (right click on the project> Configure>Convert to Maven Project)
- Within the Create new POM window, select Finish to convert the project



### Add the Servlet API maven dependency to the pom.xml file

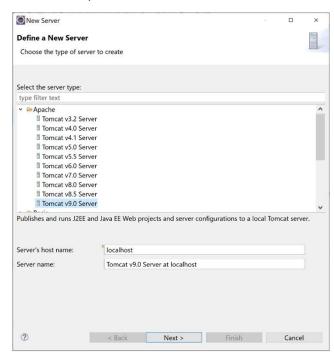
• Open the pom.xml file and add the following (immediately before the Build tag):

- Save the pom.xml file
- Update the Maven Project
  - ✓ Within the Explorer window, right click on the project > Maven > Update Project

- Add a Server (if it doesn't already exist)
  - Within the server tab, click on "Click this link to create a new server..." (if this window isn't visible, then use the menu bar to make it visible Window>Show Window>Servers...

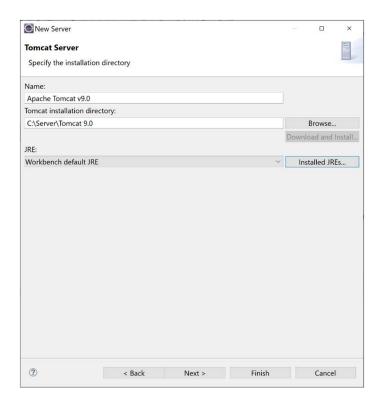


Within the New Server window, select Apache>Tome v9.0 Server and then select "Next >"



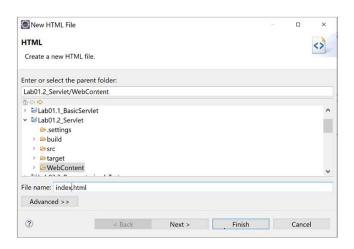
## Add a Server

- Within the New Server window, use Browse... to locate and set the Tomcat Installation directory 1
- Select "Finish" to create the Tomcat Server



# Create an HTML starting page

- Within the Project Explorer, right click on WebContent, select New>HTML
- Within the New HTML file window, enter a File name of "index.html" and select "Finish"

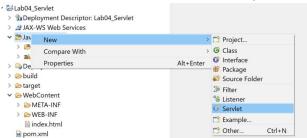


Edit the index.html file and add a hyperlink to pass a first\_name and a last\_name as parameters using a GET method (which is the default)

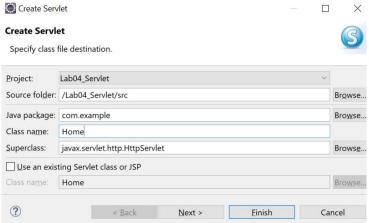
```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<a href="Home?first_name=tony&last_name=stark">Click Me</a>
</body>
</html>
```

#### Create a Servlet

• Within the Project Explorer right click on the Java Resources, select New>Servlet

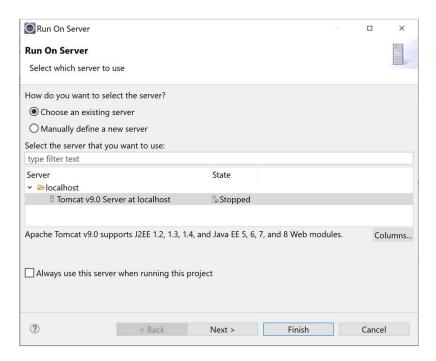


• Within the Create Servlet window enter a Java package name of "com.example", enter a Class name of "Home", and then select "Finish"



Edit the Servlet file and modify the doGet method to read the first\_name and last\_name, and output their values

- Use an external Web Browser (if not already configured)
  - On the menu bar select Window>Web Browser > Chrome if it exists or anything other than Internal Web Browser <sup>1</sup>
- Run the index.html on Tomcat
  - Within the Project Explorer window, right click on the index.html file and select Run>Run on Server
  - Confirm that Tomcat v9.0 Server at localhost is selected and then select "Finish"



Confirm that something similar to the following is displayed in an external Web Browser after the "Click Me" hyperlink is selected in the Web Browser



