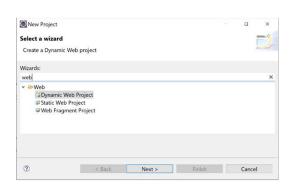
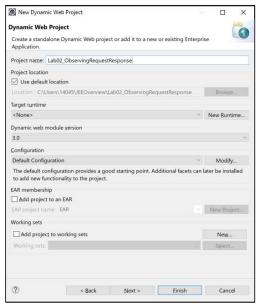
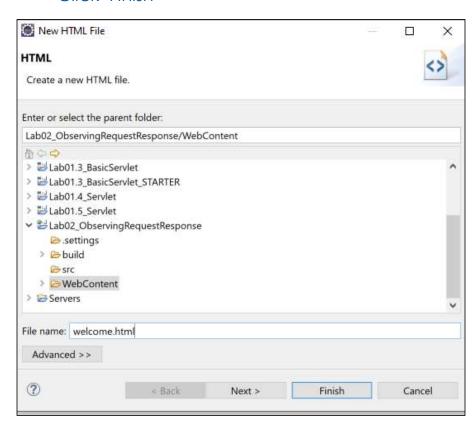
- Launch Eclipse, selecting a default workspace
- Create a new Dynamic Web Project
  - Use the menu bar to select a new project (Files>New>Project...)
  - Search for Dynamic Web Project in the search bar, select the Dynamic Web Project and then "Next >"
  - Enter "Lab02\_ObservingRequestResponse" as 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)

- Right click on WebContent and create a new HTML file
- Name it welcome.html
  - Click "Finish"



 In your new welcome.html file add a simple paragraph as shown below

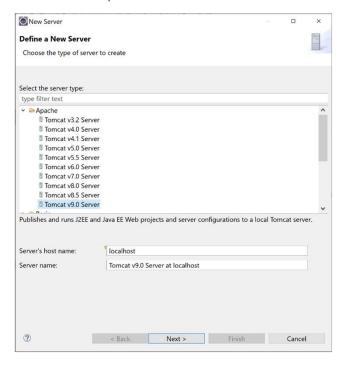
```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Welcome Page</title>
</head>
<body>
Welcome to our site
</body>
</html>
```

### Add a Server

• 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...

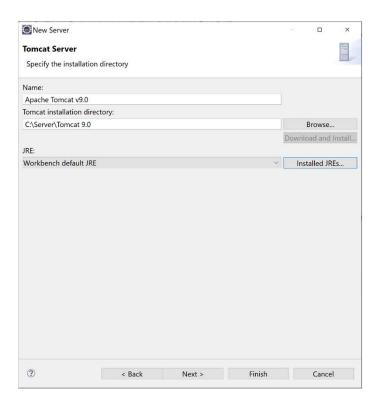


Within the New Server window, select Apache>Tome v9.0 Server and then select "Next >"



### Add a Server

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

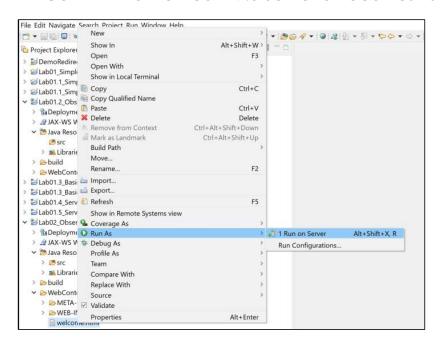


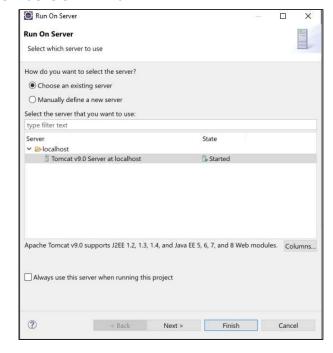
#### Use an external Web Browser

 On the menu bar select Window>Web Browser > Chrome if it exists or anything other than Internal Web Browser <sup>1</sup>

### Run the application

- Within the Project Explorer window, right click on the welcome.html file and select Run> Run As > Run on Server
- Confirm that Tomcat v9.0 Server at localhost is selected and then select "Finish"



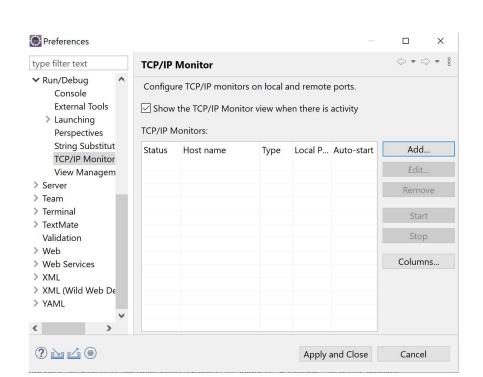


Verify that the browser loads the page and displays the message

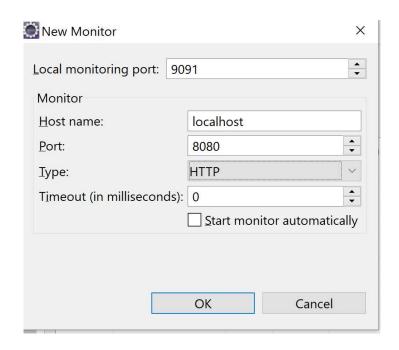


Welcome to our site

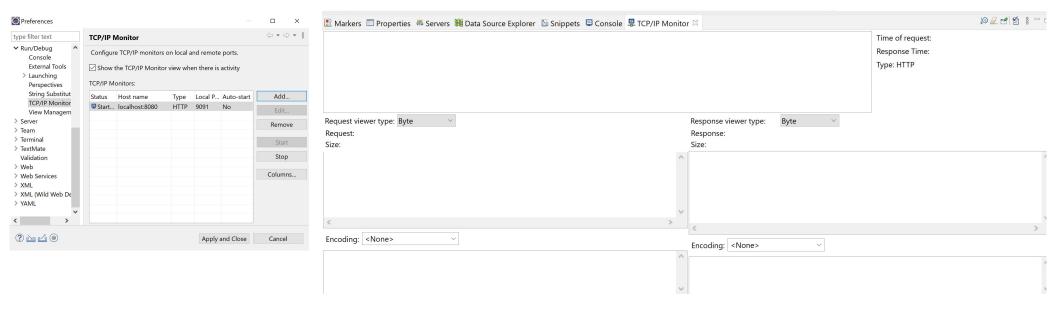
- We're going to set up a TCP/IP Monitor in Eclipse
  - This will allow us to see the Request and Response exchange
  - Choose Window > Preferences > TCP/IP Monitor
  - Click "Add" and enter the values as shown



Local monitoring port: 9091	
Host name: localhost	
<b>Port:</b> 8080	
Type: HTTP	



- Click "Start", then "Apply and Close"
- Then open the monitor view
  - Click Window > Show View > Other > TCP/IP Monitor > OK



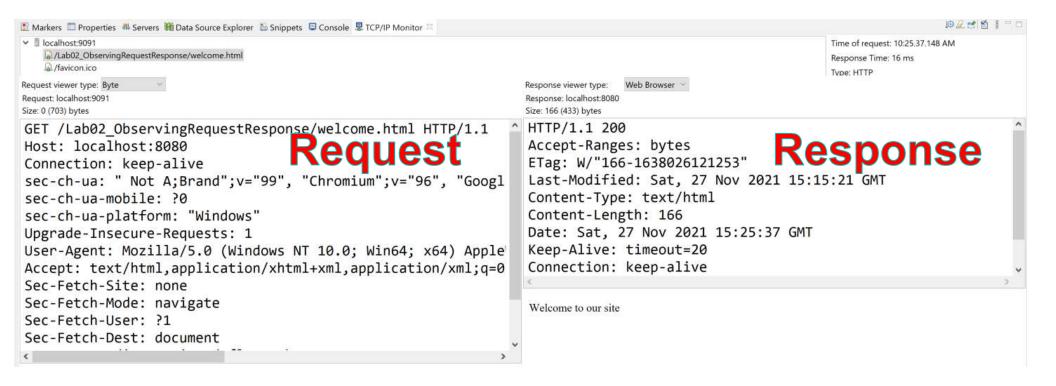
- Ensure that your application is still running on the server
- Go to your browser and enter the following URL (note: only the port changed from last time)
  - http://localhost:9091/Lab02 ObservingRequestResponse/welcome.html





Welcome to our site

- Observe the Request and Response views
  - You may have to click on localhost:9091 and then your page first, see screen print



 To Stop the monitor, use the same Preferences path as before or right click in the TCP/IP Monitor view > Properties, select your monitor, and then click "Stop"

