

SERVLETS AND JSP COURSE

EXERCISE

TYPES OF BROWSERS

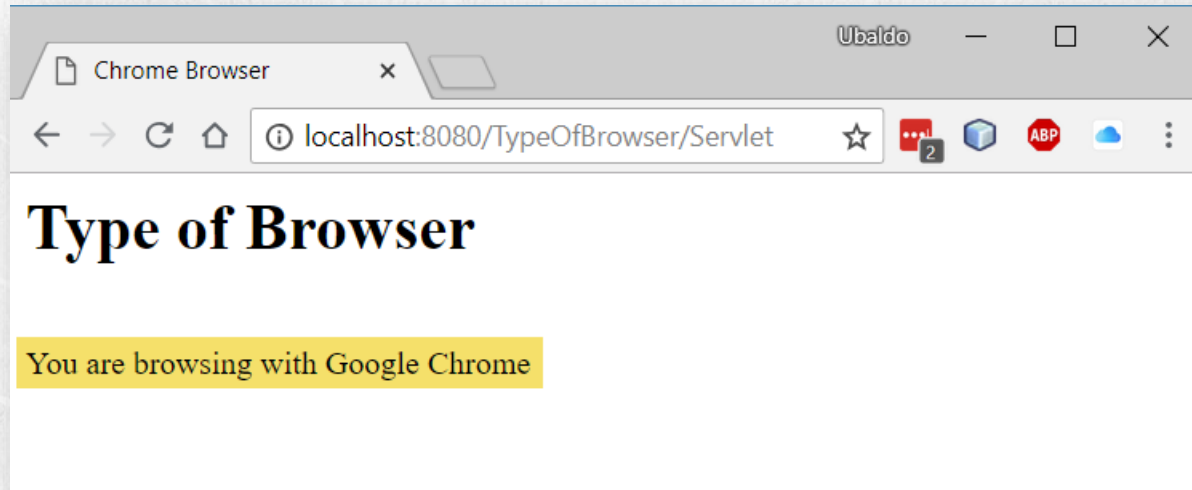


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EXERCISE OBJECTIVE

Create a program to identify the type of browser that we are using. At the end we should observe the following :



PASO 1. CREACIÓN DEL PROYECTO

Vamos a crear el proyecto:

New Web Application [X]

Steps

1. Choose Project
- 2. Name and Location**
3. Settings

Name and Location

Project Name: TypeOfBrowser

Project Location: C:\Courses\Servlets\Lesson06 Browse...

Project Folder: C:\Courses\Servlets\Lesson06\TypeOfBrowser

Artifact Id: TypeOfBrowser

Group Id: web

Version: 1

Package: (Optional)

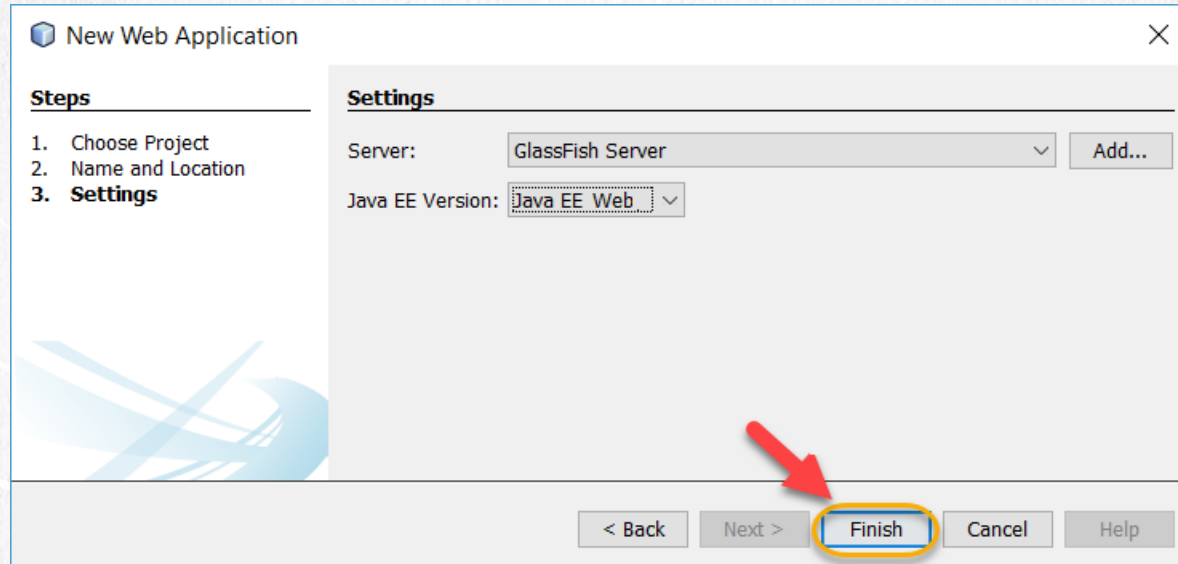
< Back **Next >** Finish Cancel Help

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1. CREATE A NEW PROJECT

Vamos a crear el proyecto:



New Web Application

Steps

1. Choose Project
2. Name and Location
3. **Settings**

Settings

Server: GlassFish Server Add...

Java EE Version: Java EE Web

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2. CREATE A NEW CLASS

Create a new class:

New Java Class

Steps

1. Choose File Type
2. **Name and Location**

Name and Location

Class Name:

Project:

Location:

Package:

Created File:

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3. MODIFY THE CODE

Servlet.java:

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```
package web;

import java.io.*;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;

@WebServlet("/Servlet")
public class Servlet extends HttpServlet {

    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            // We create the variables to process the title and
            // the message of our website
            String title = null, message = null;
            //We detected the type of browser that made the request
            String browserType = request.getHeader("User-Agent");
            System.out.println("Type of Browser: " + browserType);
```

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3. MODIFY THE CODE

Servlet.java:

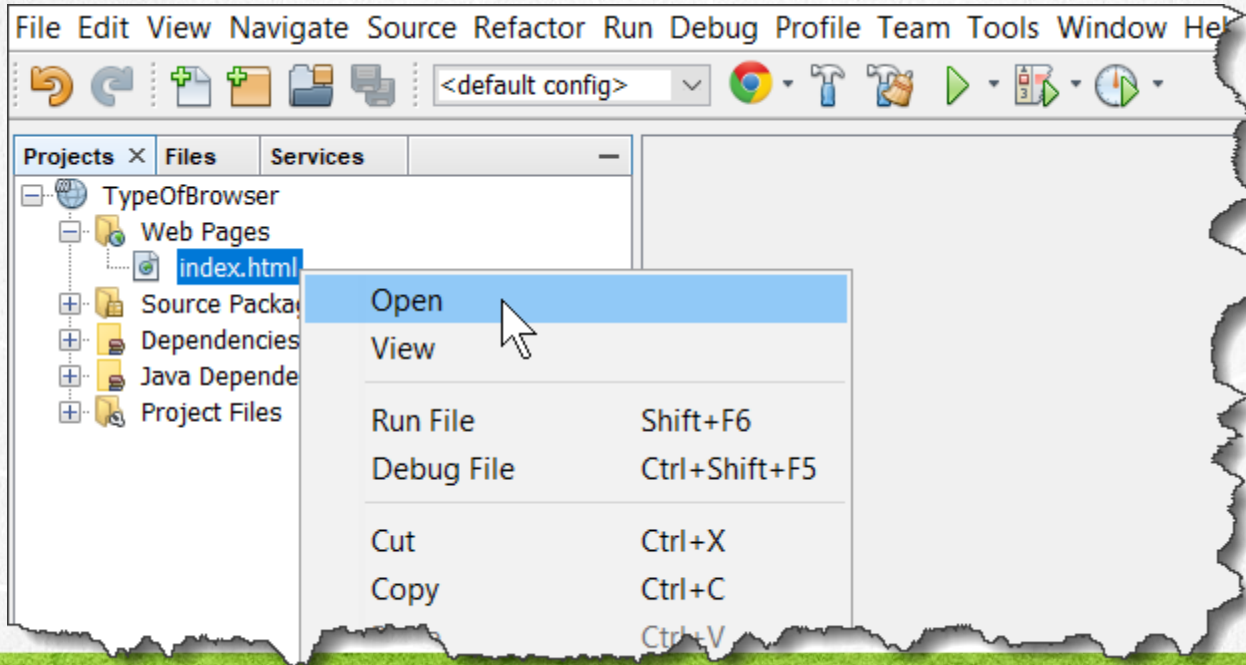
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```
// We verify the type of browser and customize
// the message to send
if (browserType != null && browserType.contains("Trident")) {
    title = "Internet Explorer Browser";
    message = "You are browsing with Internet Explorer";
} else if (browserType != null && browserType.contains("Firefox")) {
    title = "Firefox Browser";
    message = "You are browsing with Firefox";
} else if (browserType != null && browserType.contains("Chrome")) {
    title = "Chrome Browser";
    message = "You are browsing with Google Chrome";
}

out.println("<html>");
out.println("<head>");
out.println("<title>" + title + "</title>");
out.println("</head>");
out.println("<body>");
out.println("<h1>Type of Browser</h1>");
out.println("<br>");
out.println(message);
out.println("</body>");
out.println("</html>");
}
}
```


4. MODIFY THE FILE

Modify the index.html file:



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5. MODIFY THE CODE

[index.html:](#)

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```
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Type of Browsers Example</title>
  </head>
  <body>
    <h1>Type of Browsers Example</h1>
    <a href="/TypeOfBrowser/Servlet">Link to Servlet Type Of Browsers</a>
  </body>
</html>
```

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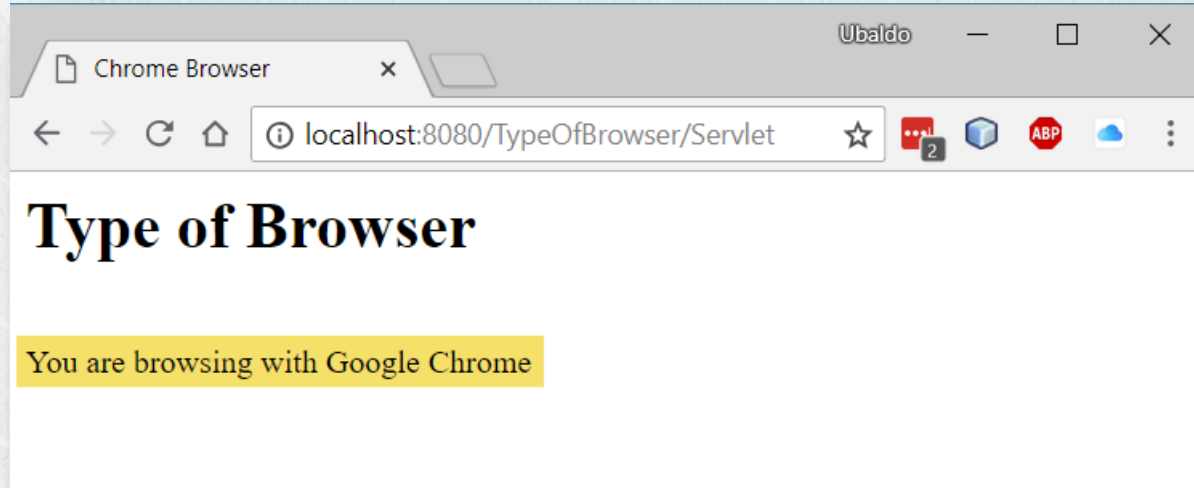
6. EXECUTE THE PROJECT

The result is as follows:



6. EXECUTE THE PROJECT

The result is as follows:



EXERCISE CONCLUSION

- With this exercise we have put into practice the use of headboards to identify the type of browser we are using.
- This can be useful to make decisions according to the type of browser that the user uses.



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