EXERCISE

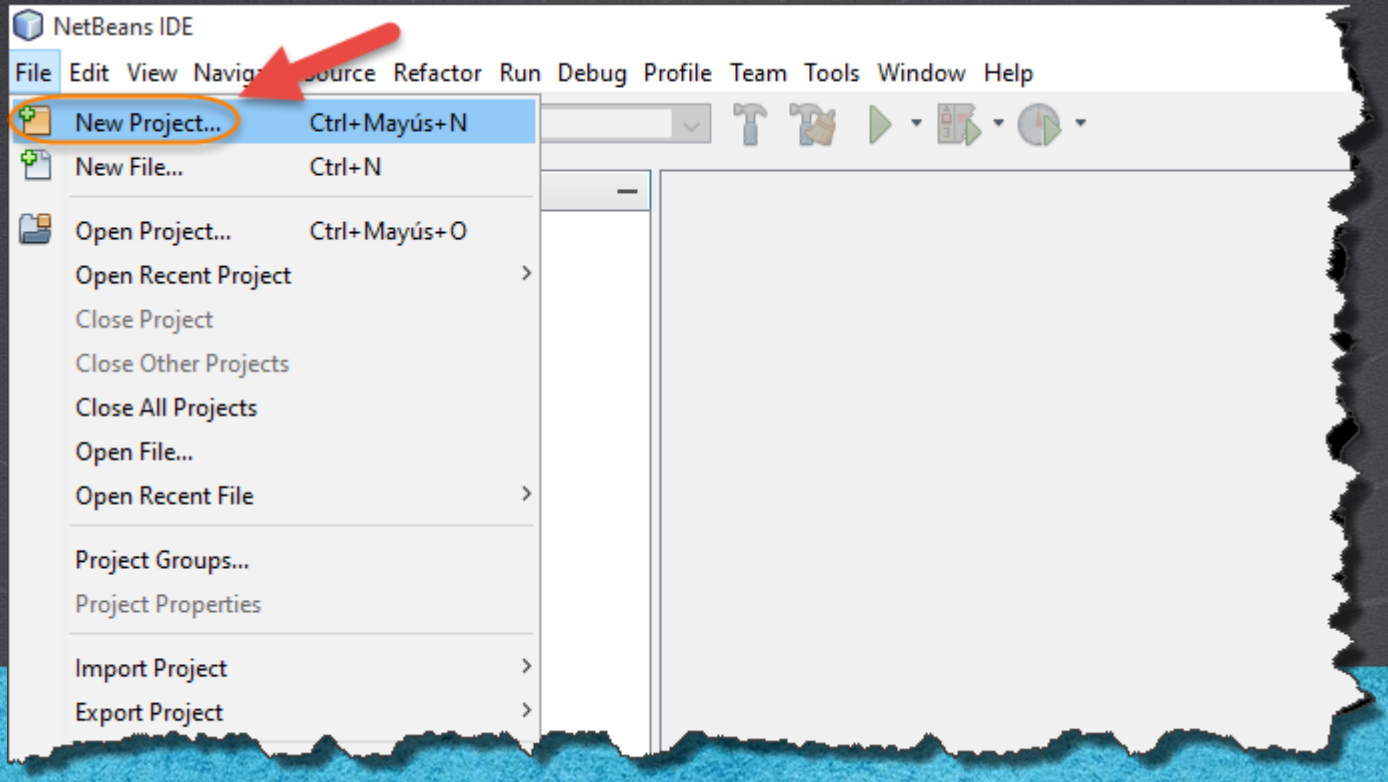
CREATING A SERVLET

EXERCISE OBJECTIVE

Create an exercise to create a Servlet. At the end we should observe the following :

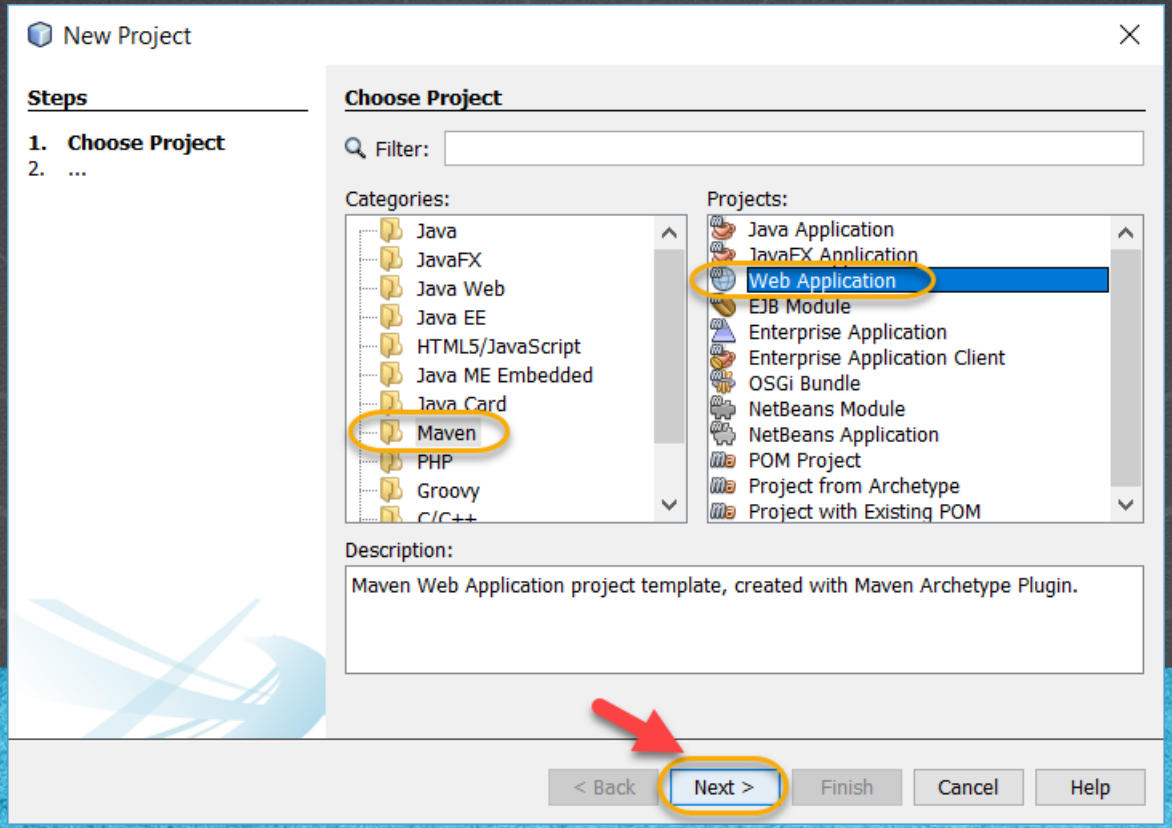
1. CREATE A NEW PROJECT

Create a new project:



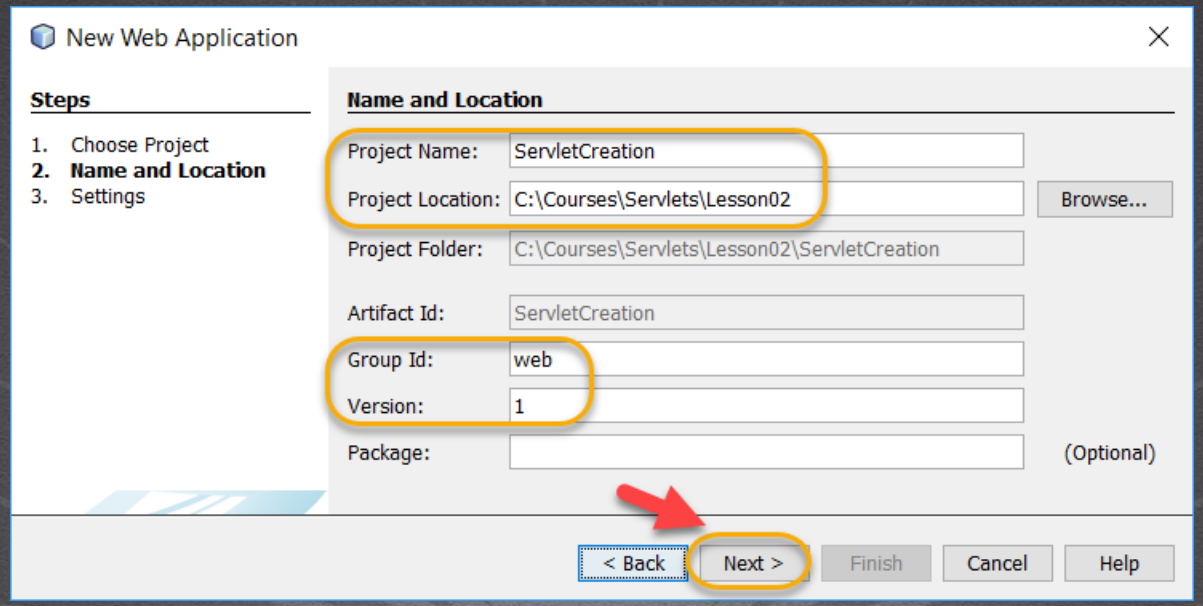
1. CREATE A NEW PROJECT (CONT)

Create a new Project using Maven:



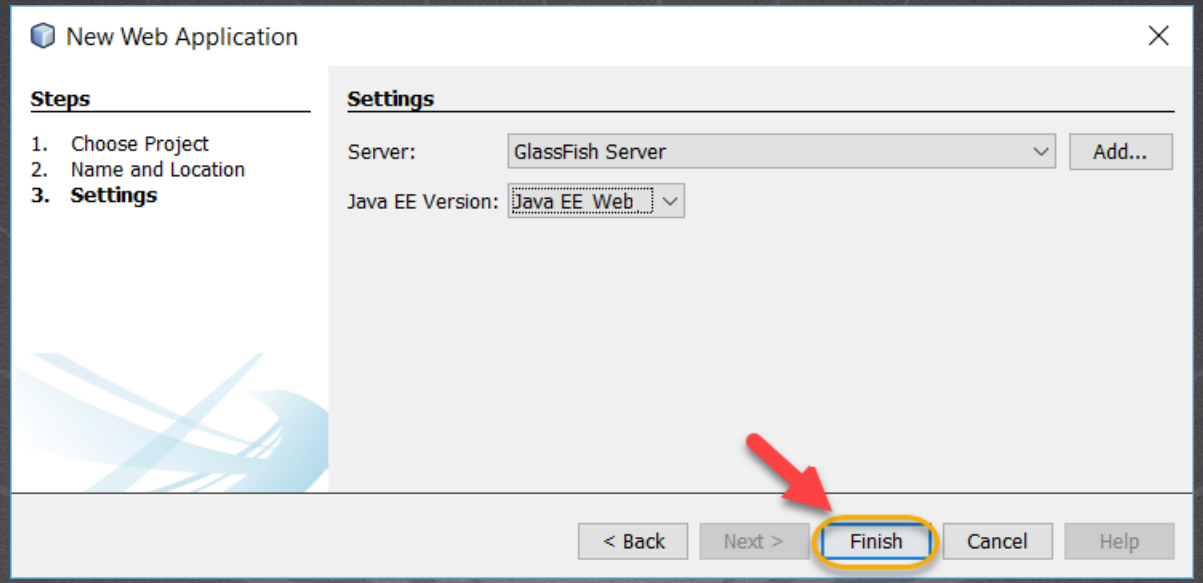
1. CREATE A NEW PROJECT(CONT)

Create a new project:



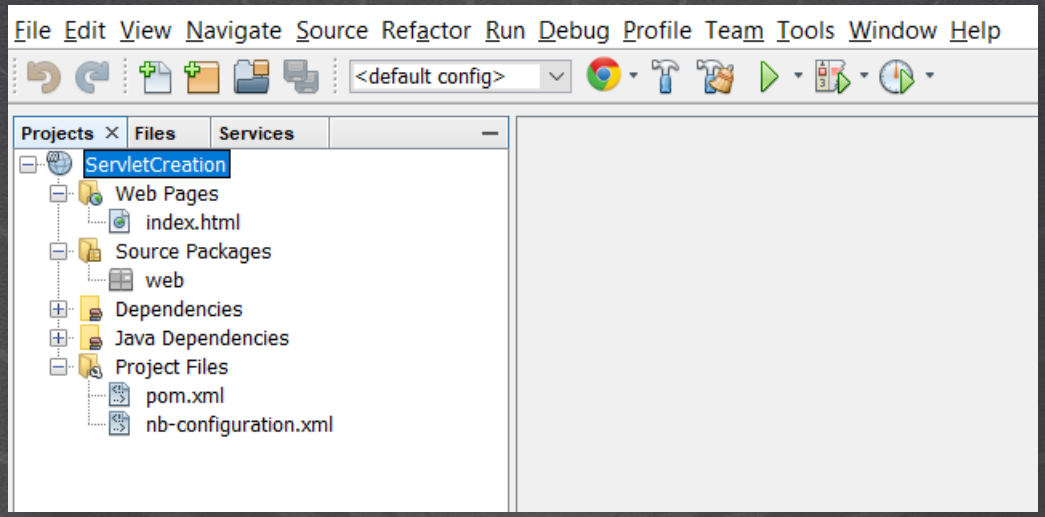
1. CREATE A NEW PROJECT(CONT)

Create a new project:



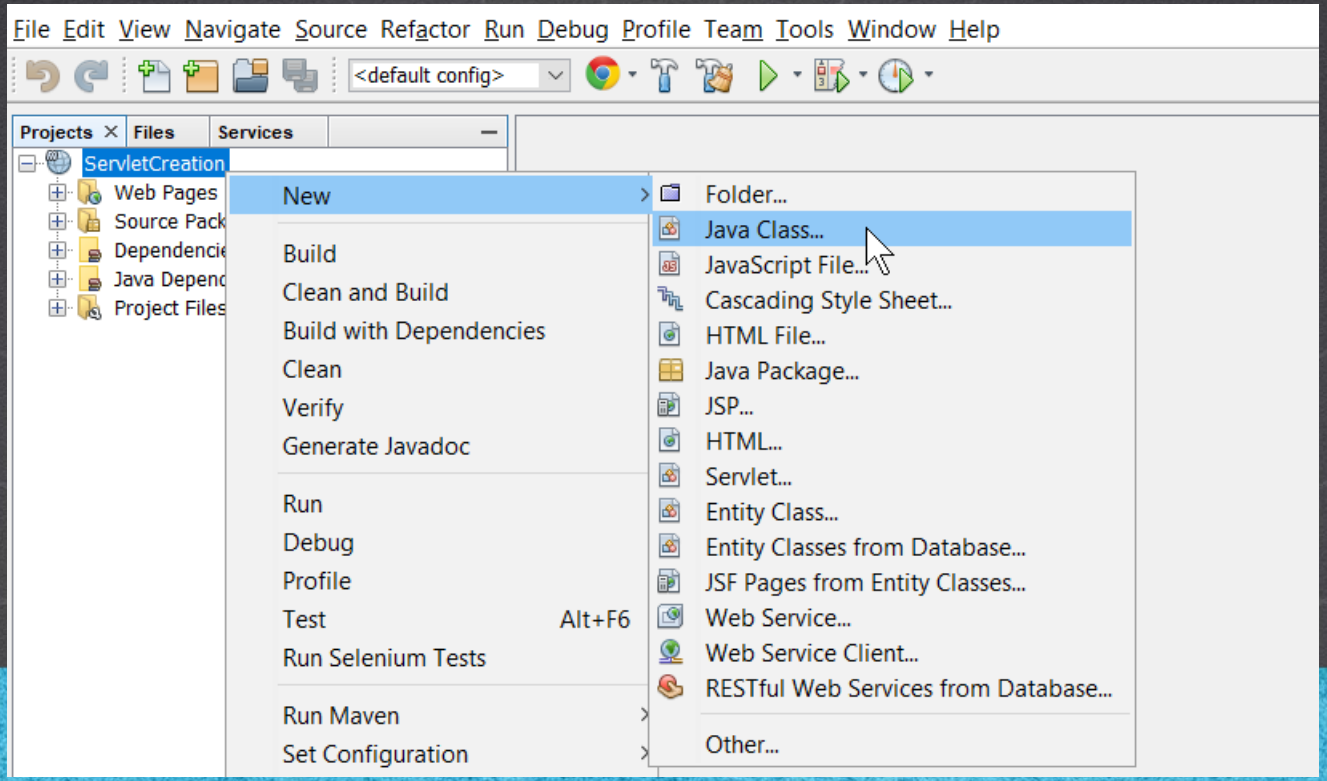
1. CREATE A NEW PROJECT (CONT)

This is the basic structure of the project:

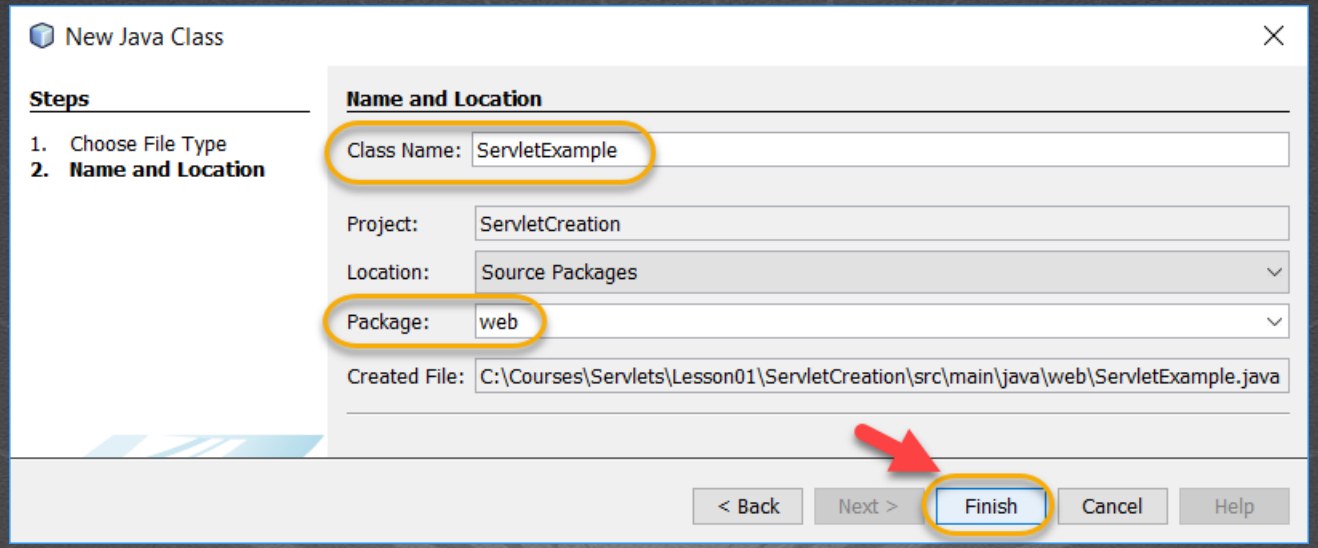


2. CREATE A NEW CLASS

Create a new class.



2. CREATE A NEW CLASS



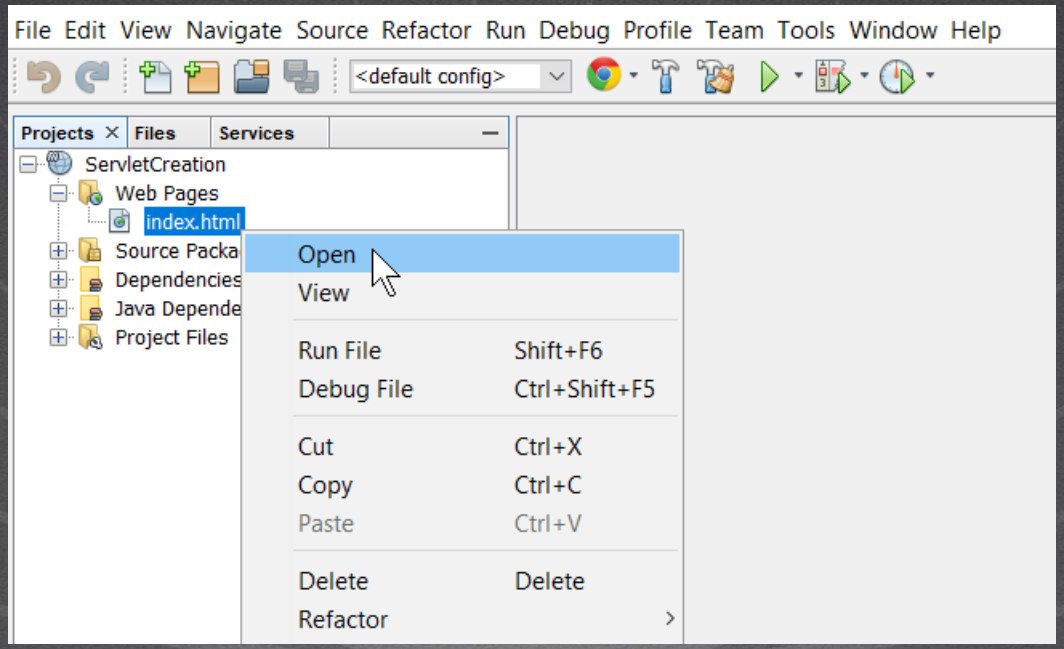
4. MODIFY THE CODE

ServletExample.java:

```
package web;

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

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

    @Override
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws IOException {
        try (PrintWriter out = response.getWriter()) {
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Servlet Example</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<h1>Response from the Servlet</h1>");
            out.println("</body>");
            out.println("</html>");
        }
    }
}
```

5. MODIFY THE FILE

Modify the index.html file:



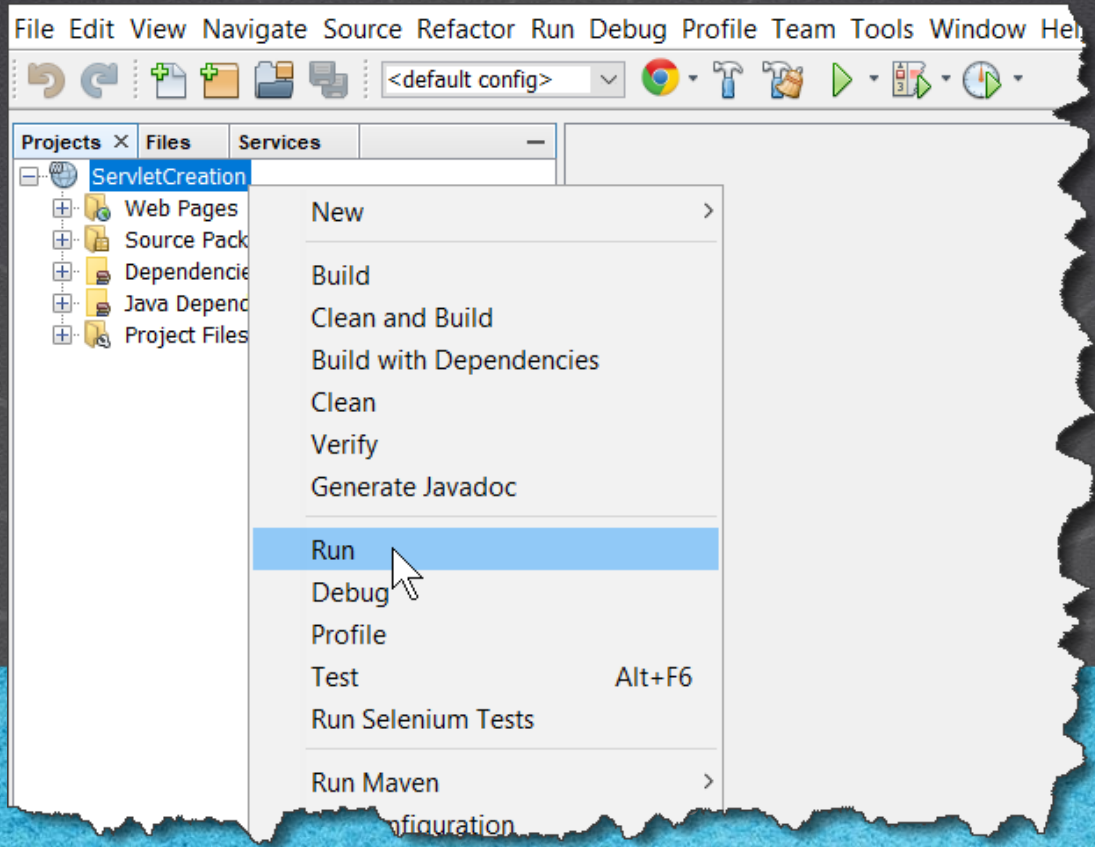
5. MODIFY THE CODE

index.html:

```
<!DOCTYPE html>
<html>
    <head>
        <title>Servlet Creation</title>
        <meta charset="UTF-8">
    </head>
    <body>
        <h1>Calling the servlet
        <a href="/ServletCreation/ServletExample">Servlet Example</a>
        </h1>
    </body>
</html>
```

6. EXECUTE THE PROJECT

Execute the Project:



6. EXECUTE THE PROJECT (CONT)

The result is as follows:

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This is the HTML code generated by the Servlet :

EXERCISE CONCLUSION

- With this exercise we have created a Servlet step by step.
- It is not necessary that all the code is clear at this time, as we go forward we will work and deepen in each of the elements of this example.
- However, we can already understand how to create this type of Web components.

ONLINE COURSE

SERVLETS & JSP's

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