

SERVLETS AND JSP COURSE

HELLO WORLD WITH SERVLETS



By the expert: Ubaldo Acosta



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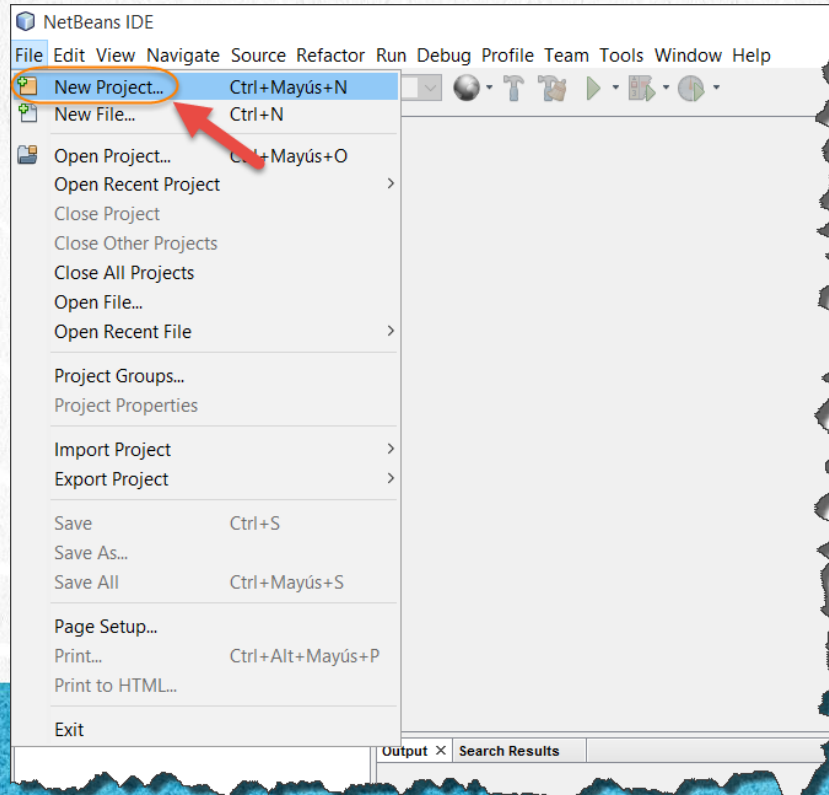
EXERCISE OBJECTIVE

Create a Web project to create a Hello World with Servlets. At the end we should observe the following:



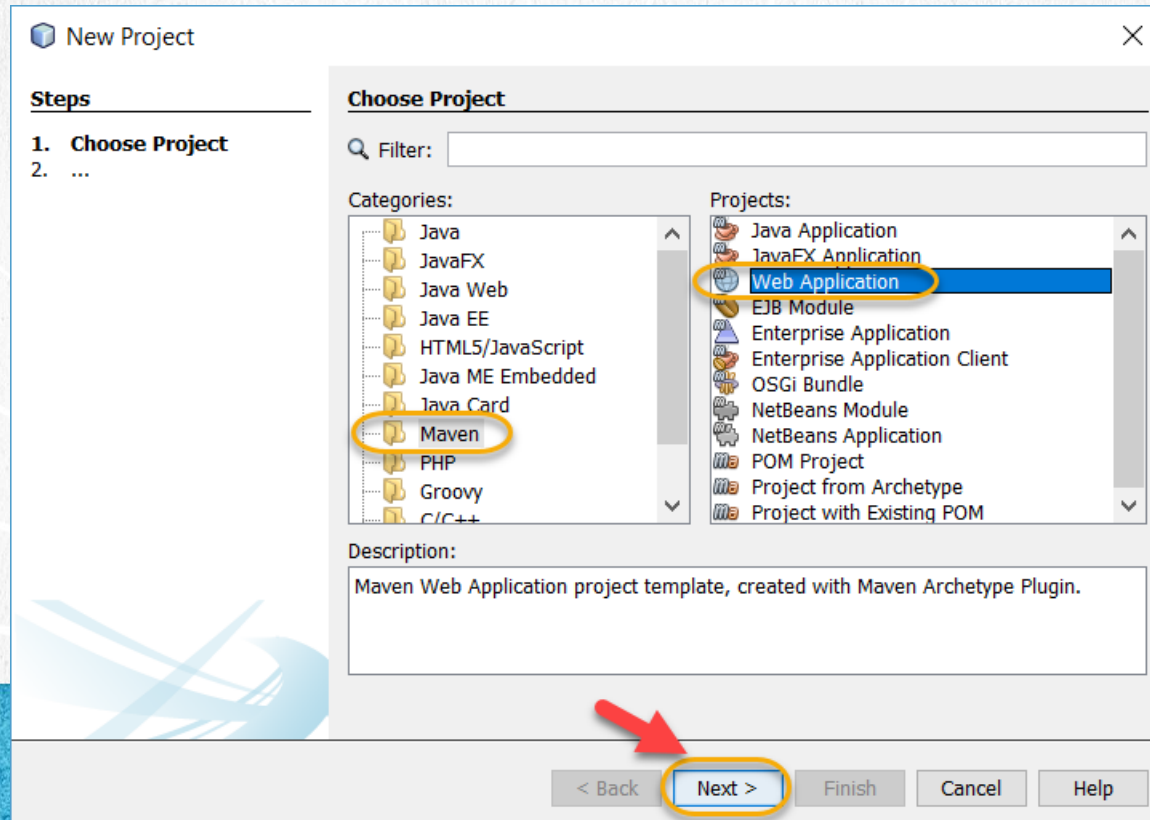
1. CREATE A NEW PROJECT

Create a new Maven Java Web project:



1. CREATE A NEW PROJECT

Create a new Maven Java Web project :



1. CREATE A NEW PROJECT(CONT)

Create a new project:

New Web Application

Steps

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

Name and Location

Project Name: HelloWorldServlets

Project Location: C:\Courses\Servlets\Lesson01 Browse...

Project Folder: C:\Courses\Servlets\Lesson01\HelloWorldServlets

Artifact Id: HelloWorldServlets

Group Id: mx.com.gm

Version: 1

Package: (Optional)

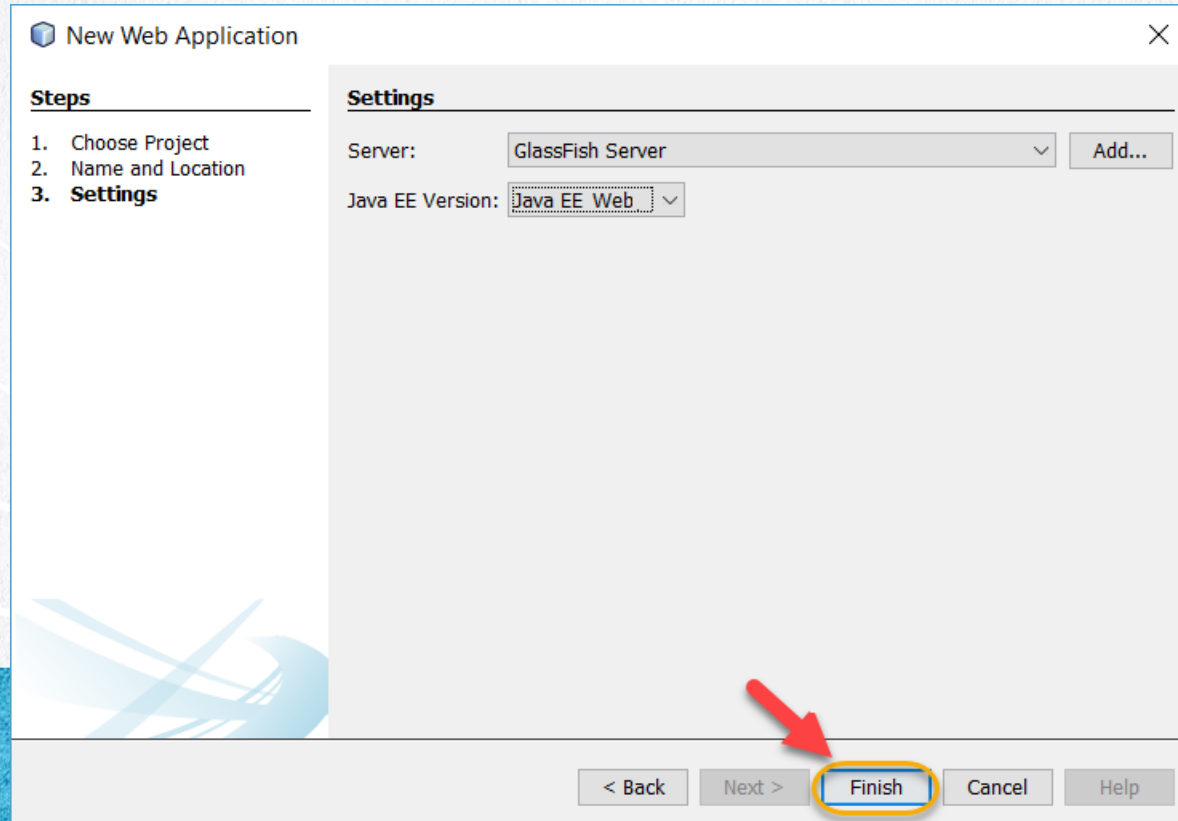
< Back **Next >** Finish Cancel Help

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1. CREATE A NEW PROJECT(CONT)

Create a new project:



New Web Application

Steps

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

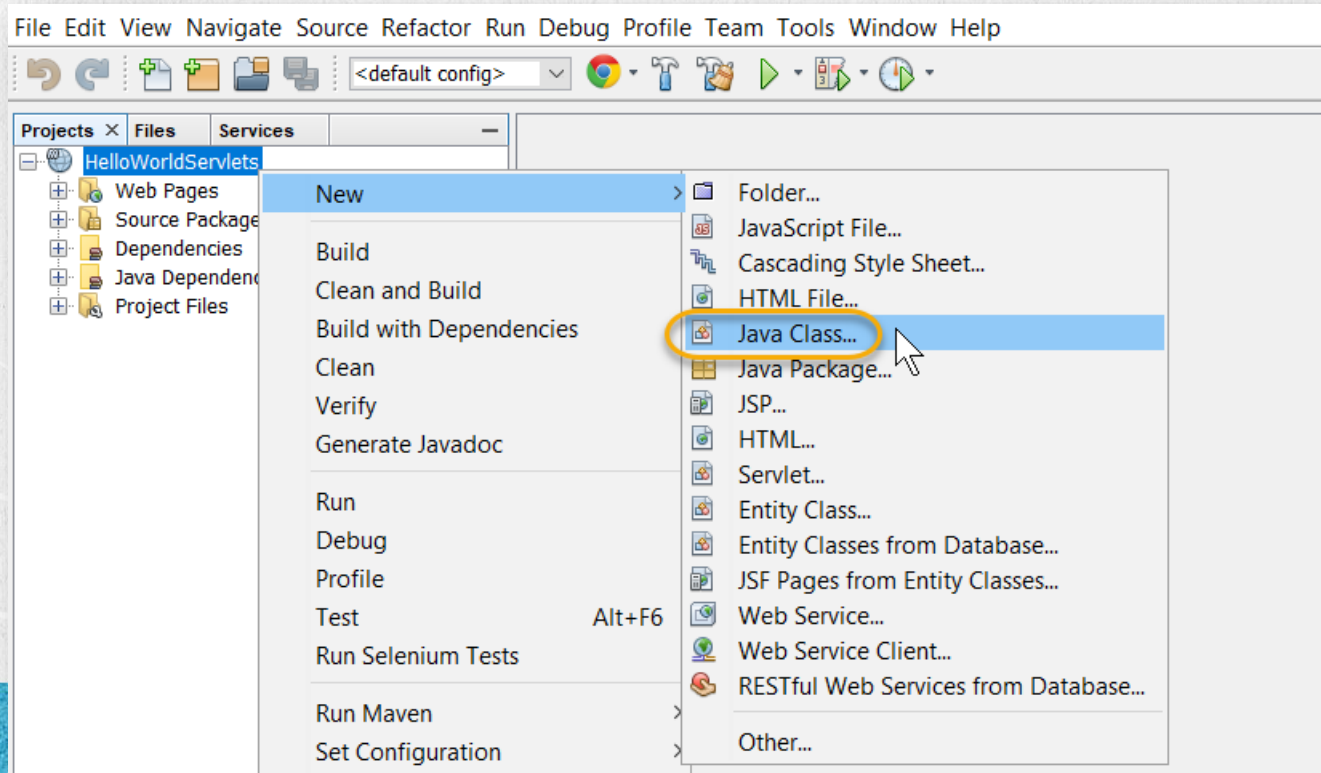
Settings

Server:

Java EE Version:

2. CREATE A NEW CLASS

Create a new class:



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: HelloWorldServlet

Project: HelloWorldServlets

Location: Source Packages

Package: web

Created File: C:\Courses\Servlets\Lesson01\HelloWorldServlets\src\main\java\web\HelloWorldServlet.java

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3. MODIFY THE CODE

HelloWorldServlet.java:

```
package web;

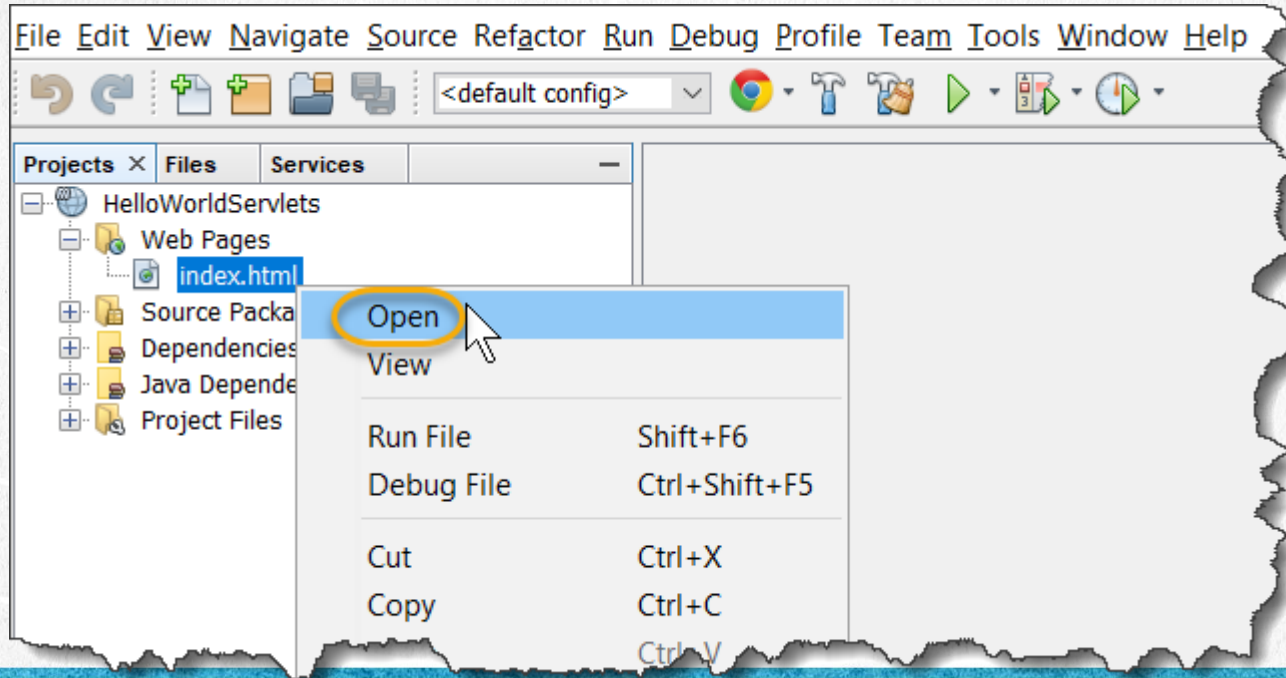
import java.io.*;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;

@WebServlet("/HelloWorld")
public class HelloWorldServlet 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()) {
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>HelloWorld Servlet</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<h1>HelloWorld from the Servlet, the application name is: " + request.getContextPath() + "</h1>");
            out.println("</body>");
            out.println("</html>");
        }
    }
}
```

4. MODIFY THE FILE

Modify the file index.html:



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4. MODIFY THE CODE

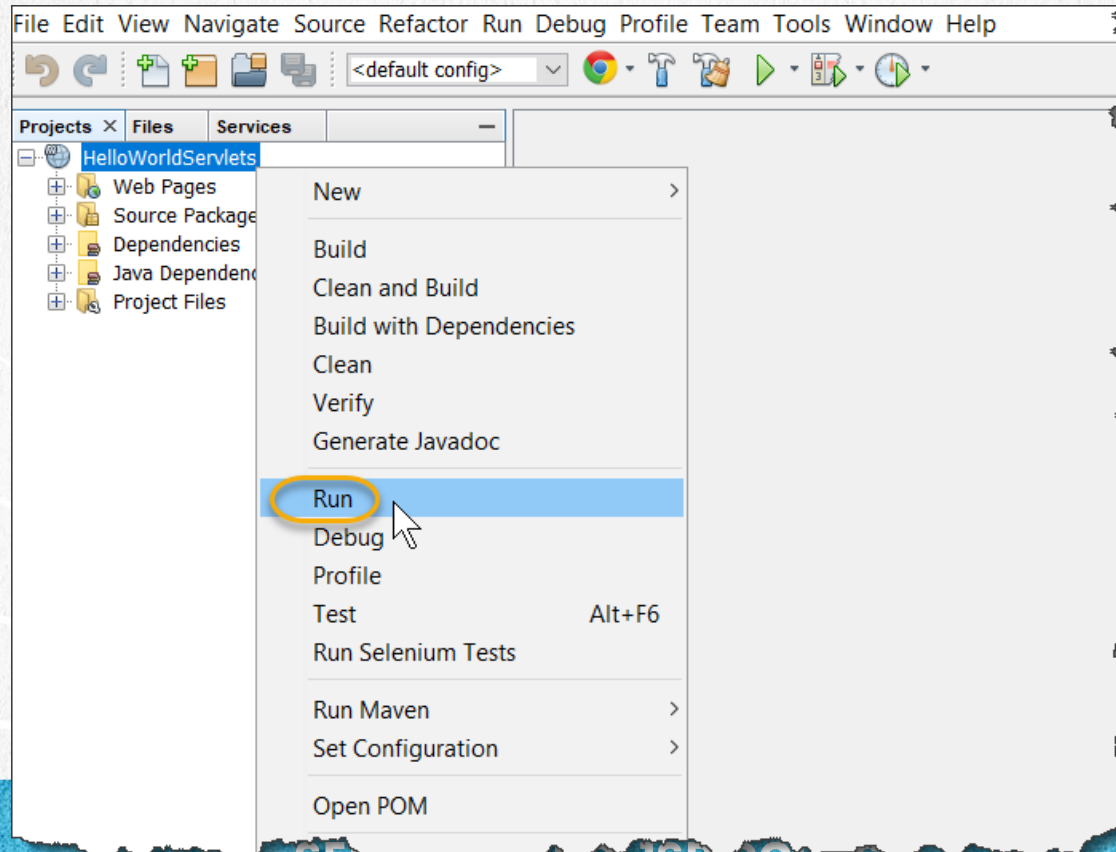
index.html:

```
<!DOCTYPE html>
<html>
  <head>
    <title>HelloWorldServlets</title>
    <meta charset="UTF-8">
  </head>
  <body>
    <h1>Calling the servlet
      <a href="/HelloWorldServlets/HelloWorld">Hello World from the Servlet</a>
    </h1>
  </body>
</html>
```

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5. EXECUTE THE PROJECT



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5. EXECUTE THE PROJECT



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5. EXECUTE THE PROJECT



CONCLUSION OF THE EXERCISE

With this exercise we have created our first Servlet. This code is platform independent and independent of the IDE that we use.

It is not necessary to understand each element of this application, since during this course we will learn many concepts of Servlets and JSP as we progress through the course.

ONLINE COURSE

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