

How To Write Servlet Hello World Example

Step 1 : Create Dynamic Web Application

First step would be to create a dynamic web application in Eclipse. To create this go to **File >> New >> Other >> Dynamic Web Project**. Provide the name of this project as “**MyFirstServlet**”.

Step 2 : Create Servlet

Once application created next step would be to create Servlet which will handle the request. Create Servlet named “**HelloWorld.java**” in **com.jbt** package. HelloWorld.java

```
package com.demo.Servlet;

import java.io.IOException;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class HelloWorld
 */
public class MyFirstServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;
    public void doGet(HttpServletRequest request,
        HttpServletResponse response) throws
ServletException, IOException {

        response.setContentType("text/html");
        PrintWriter out=response.getWriter();
        out.println("<h1>Hello World!!</h1>");
        out.println("<h2>Welcome to servlet
programming</h2>"); }
}
```

```
}
```

Step 3 : Map URL to Servlet

Now you have created Servlet. Next step would be to map this servlet to an URL(/welcome). You need to add an entry for this in **web.xml(WebContent\WEB-INF)**.

web.xml

```
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" id="WebApp_ID"
version="4.0">
```

```
<display-name>MyFirstServlet</display-name>
```

```
<welcome-file-list>
```

```
<welcome-file>index.html</welcome-file>
```

```
</welcome-file-list>
```

```
<servlet>
```

```
<servlet-name>hello</servlet-name>
```

```
<servlet-class>com.demo.servlet.MyServlet</servlet-class>
```

```
</servlet>
```

```
<servlet-mapping>
```

```
<servlet-name>hello</servlet-name>
```

```
<url-pattern>/welcome</url-pattern>
```

```
</servlet-mapping>
```

```
</web-app>
```

Step 4 : Run Server and Test

Now everything is in place. So start the server and hit the URL (<http://localhost:8080/HelloWorldServlet/HelloWorld>).

And check the output in console. It should display “**Hello World**”. Till now we have not directed response to JSP so it will get displayed in Console only. In next article will display this output in JSP page.