

## GET vs POST Demo

The screenshot shows the Eclipse IDE interface with the title "Servlet - GetPostDemo/src/main/webapp/index.html - Eclipse IDE". The Project Explorer view contains projects like "GetPostDemo", "HelloWorld", and "UserFormProject". The Outline view shows the structure of the "index.html" file, which includes DOCTYPE, head, body, and form elements. The code editor displays the "index.html" file with code for demonstrating GET and POST methods. The Servers view shows "Tomcat v10.0 Server at localhost [Started, Synchronized]".

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>GET vs POST Demo</title>
</head>
<body>
<h2>HTTP GET vs POST Demonstration</h2>
<form action="MethodServlet" method="get">
Name: <input type="text" name="username" required><br><br>
Age: <input type="number" name="age" required><br><br>
<input type="submit" value="Submit using GET">
</form>
<br><br><br>
<form action="MethodServlet" method="post">
<h3>Using POST Method</h3>
Name: <input type="text" name="username" required><br><br>
Age: <input type="number" name="age" required><br><br>
<input type="submit" value="Submit using POST">
</form>
</body>
</html>
```

The screenshot shows the Eclipse IDE interface with the title "Servlet - GetPostDemo/src/main/java/com/example/MethodServlet.java - Eclipse IDE". The Project Explorer view contains projects like "GetPostDemo", "HelloWorld", and "UserFormProject". The Outline view shows the class structure of "MethodServlet". The code editor displays the "MethodServlet.java" file, which contains Java code for handling GET and POST requests using HttpServlet. The Servers view shows "Tomcat v10.0 Server at localhost [Started, Synchronized]".

```
package com.example;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/MethodServlet")
public class MethodServlet extends HttpServlet {
protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
response.setContentType("text/html");
PrintWriter out = response.getWriter();
String name = request.getParameter("username");
String age = request.getParameter("age");
out.println("<html><body>");
out.println("<h2>GET Method Used</h2>");
out.println("<p><strong>Name:</strong> " + name + "</p>");
out.println("<p><strong>Age:</strong> " + age + "</p>");
out.println("<p><b>Data is visible in URL</b></p>");
out.println("</body></html>");
}
protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {}}
```