# **EXP 5 HTTP GET and POST methods**

## AIM:

To demonstrate the difference between HTTP GET and POST methods using a Java Servlet by creating a form that sends data using both methods.

## **ALGORITHM:**

```
Step 1: Create an HTML form with GET and POST methods.
```

```
Step 2: Develop a Servlet (GetPostServlet.java) to handle requests.
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```
Step 3: Implement doGet () to handle GET requests.
```

Step 4: Implement doPost () to handle POST requests.

Step 5: Configure web.xml to map the Servlet to /GetPostServlet.

Step 6: Run the server and observe how GET and POST work differently.

#### **PROGRAM:**

## index.html (Form Page)

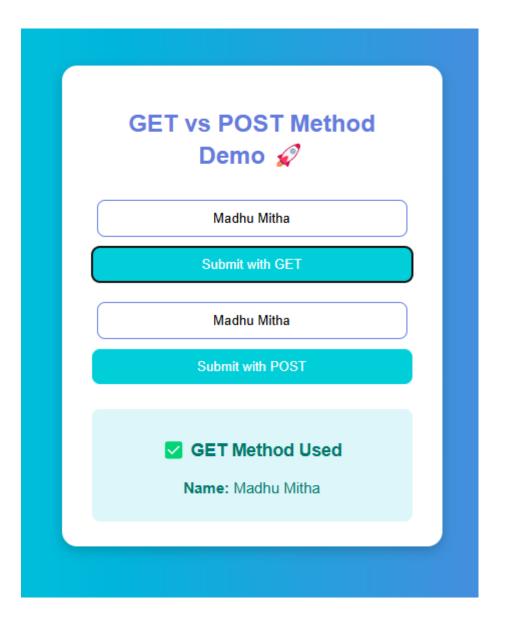
```
</head>
<body>
  <div class="container">
    <h2>Choose GET or POST Method 2</h2>
    <form action="GetPostServlet" method="GET">
       <input type="text" name="username" placeholder="Enter your name" required>
<button type="submit">Submit with GET</button>
                                                      </form>
    <form action="GetPostServlet" method="POST">
       <input type="text" name="username" placeholder="Enter your name" required>
<button type="submit">Submit with POST</button>
    </form>
  </div>
</body>
</html>
                    font-family: 'Poppins', sans-serif;
styles.css body {
background: linear-gradient(to right, #36D1DC, #5B86E5);
  text-align: center;
display: flex;
               justify-
content: center;
                 align-
items: center;
               height:
100vh;
         margin: 0;
}
.container{
                      background:
                                     #fff;
padding:20px;
                      border-radius: 15px;
box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);
width: 300px;
```

```
}
h2 {
color:#5B86E5;
}
input {
         width: 90%;
padding: 10px; margin:
10px 0; border: 1px solid
               border-
#5B86E5;
radius: 8px; text-align:
center;
}
button {
 background: #36D1DC;
 color:white;
 border: none;
  padding: 10px 15px;
border-radius: 8px;
cursor: pointer;
transition: 0.3s;
}
button:hover {
background: #1e6e8c;
```

```
GetPostServlet.java (Servlet to Handle GET & POST)
java 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("/GetPostServlet") public class
GetPostServlet extends HttpServlet {
                                      private
static final long serialVersionUID = 1L;
  // Handling GET Request protected void doGet(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException {
response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    String name = request.getParameter("username");
    out.println("<html><body>");
                                      out.println("<h2>GET Method
Received</h2>");
                    out.println("Hello, <b>" + name + "</b>! Data sent
                             out.println("</body></html>");
using GET.");
  }
  // Handling POST Request protected void doPost(HttpServletRequest request,
HttpServletResponse response) throws ServletException, IOException {
response.setContentType("text/html");
     PrintWriter out = response.getWriter();
    String name = request.getParameter("username");
```

```
out.println("<html><body>");
                                     out.println("<h2>POST Method
Received</h2>");
                    out.println("Hello, <b>" + name + "</b>! Data sent
                            out.println("</body></html>");
using POST.");
  } }
web.xml (Servlet Configuration) xml
CopyEdit
<web-app xmlns="http://java.sun.com/xml/ns/javaee" version="3.0">
  <servlet>
    <servlet-name>GetPostServlet/servlet-name>
    <servlet-class>GetPostServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>GetPostServlet/servlet-name>
    <url>pattern>/GetPostServlet</url-pattern></url-
  </servlet-mapping>
</web-app>
```

## **OUTPUT:**



**RESULT:** The Get and Post methods were executed successfully.