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.
- 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)

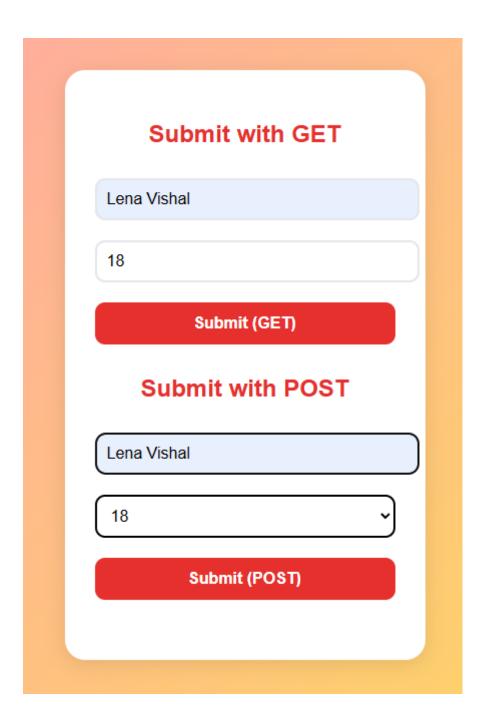
```
<button type="submit">Submit with GET</button>
                                                      </form>
    <form action="GetPostServlet" method="POST">
       <input type="text" name="username" placeholder="Enter your name" required>
<button type="submit">Submit with POST</button>
    </form>
  </div>
</body> </html>
styles.css css
CopyEdit body
     font-family: 'Poppins', sans-serif;
                                        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;
}
         width: 90%;
input {
padding: 10px; margin: 10px
0; border: 1px solid
#5B86E5;
           border-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
CopyEdit 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 using GET.");
out.println("</body></html>");
  }
  // 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 using POST.");
out.println("</body></html>");
  } }
```

web.xml (Servlet Configuration) xml

OUTPUT:

</web-app>



RESULT: The Get and Post methods were executed successfully.