# **Exp 5: Java Servlets With Form**

#### AIM:

To create a web Servlets to show a message passed in the Html form.

#### PROCEDURE:

## **Step 1: Create HTML Form**

- Create an index.html file.
- Add a form with an input field (e.g., for the user's name).
- Set the form's action to the servlet's URL pattern (e.g., /greet).
- Set the method to POST.

## **Step 2: Create Java Servlet**

- Define a Java class that extends HttpServlet.
- Override the doPost() method to handle form submission.
- Use request.getParameter() to extract input values.
- Use response.getWriter() to send a personalized greeting back to the user.

### **Step 3: Configure Servlet Mapping**

- Annotation-Based Mapping: Add @WebServlet("/greet") to the servlet class.
- XML-Based Mapping: Define the servlet and its URL pattern in web.xml.

## **Step 4: Build and Deploy**

- Compile the servlet with the correct servlet-api.jar in your classpath.
- Package the .class files in the correct WEB-INF/classes/ folder.
- Place the index.html in the root and web.xml in WEB-INF/.
- Deploy the entire folder or WAR file into Tomcat's webapps/directory.

#### PROGRAM:

## HelloServlet.java

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

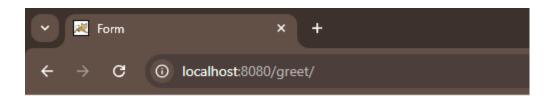
```
@WebServlet("/hello")
public class HelloWorldServlet extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse
response)
    throws ServletException, IOException {
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
        String name = request.getParameter("name");
        String dateOfBirth = request.getParameter("dob");
        if (name == null || dateOfBirth == null || dateOfBirth.length() < 10)</pre>
            out.println("<html><body><h2>Missing or invalid
input</h2></body></html>");
            return;
        String yearString = dateOfBirth.substring(0, 4);
        int birthYear = Integer.parseInt(yearString);
        int age = 2025 - birthYear;
        out.println("<html><body><h1>Hello, " + name + "! You are " + age + "
now</h1></body></html>");
```

#### Index.html

#### Pom.xml

## OUTPUT:





## **Enter Your Info**

Name: Tom Holland

Date of Birth: 20-11-2003

Submit



## RESULT:

Thus the java servlet to show a text was executed successfully.