EX NO 4: Create a web form that accepts a users name and age. Write a Servlet to process the form data and display it back on the browser.

AIM:

To create a web-based Java Servlet application that accepts a user's name and age through an HTML form and displays the submitted data back on the browser using Java Servlet technology.

Algorithm:

- 1. Start:
 - The user accesses the web page containing the HTML form.

2. **Display Form**:

- o The form includes two fields: one for the user's name (username) and another for the user's age (age).
- o The form submits data to the servlet via POST request.

3. Servlet Processing:

- o The server receives the data submitted by the form.
- The servlet processes the form data, retrieves the values of the username and age from the request.

4. **Display Data**:

- The servlet generates an HTML response containing the data (name and age) and sends it back to the user's browser.
- 5. **End**.

CODE:

```
<!DOCTYPE html>
<html>
<head>
<title>User Form</title>
<style>
body {
font-family: Arial, sans-serif;
background-color: #f4f4f4;
display: flex;
justify-content: center;
```

```
align-items: center;
  height: 100vh;
  margin: 0;
.container {
  background: #fff;
  padding: 20px;
  border-radius: 10px;
  box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
  text-align: center;
  width: 300px;
}
h2 {
  color: #333;
}
input[type="text"], input[type="number"] {
  width: 90%;
  padding: 10px;
  margin: 10px 0;
  border: 1px solid #ccc;
  border-radius: 5px;
}
input[type="submit"] {
  background: #007BFF;
  color: white;
```

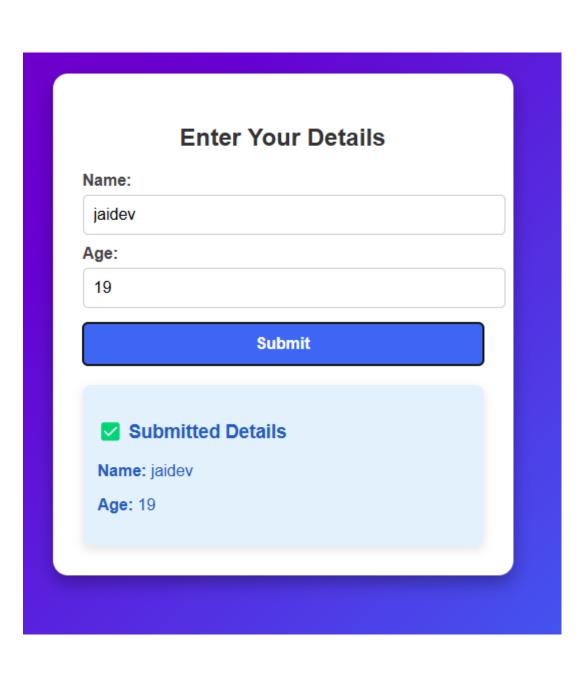
```
padding: 10px 15px;
      border: none;
      border-radius: 5px;
      cursor: pointer;
      font-size: 16px;
      width: 100%;
    }
    input[type="submit"]:hover {
      background: #0056b3;
    }
  </style>
</head>
<body>
  <div class="container">
    <h2>Enter Your Details</h2>
    <form action="UserServlet" method="post">
      <input type="text" name="username" placeholder="Enter your name" required><br>
      <input type="number" name="age" placeholder="Enter your age" required><br>
      <input type="submit" value="Submit">
    </form>
  </div>
</body>
</html>
```

Java Servlet:

```
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("/Exp4") // Make sure your form action matches this URL
public class Exp4 extends HttpServlet {
  protected void doPost(HttpServletRequest request, HttpServletResponse response)
       throws ServletException, IOException {
    response.setContentType("text/html");
    PrintWriter out = response.getWriter();
    // Retrieving form data
    String name = request.getParameter("username");
    String age = request.getParameter("age");
       // Output HTML response
    out.println("<html><body>");
      out.println("<h2>Welcome, " + name + "!</h2>");
    out.println("<p>Your age is: " + age + "</p>");
    out.println("</body></html>");
```

Configure web.xml:

OUTPUT:



RESULT: Thus the give program	is executed successfully	٧.	
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