

EXP 4:

WEB FORM DEVELOPED USING SERVLET PROGRAM

AIM:

To create a web form that accepts a user's name and age, processes the data using JavaScript, and displays the submitted details with a stylish UI and animations.

ALGORITHM:

Step 1: Start

Step 2: Design the Web Form

- Create an HTML form with two input fields:
 - Name (Text Input)
 - Age (Number Input)
- Add a submit button.

Step 3: Apply CSS Styles

- Use **gradient background, smooth input effects, button hover effects, and animations.**
- Style the form, inputs, button, and result display area.

Step 4: Write JavaScript for Form Handling

- Attach an **event listener** to the form submit event.
- Get user input values (`name` and `age`).
- Validate input fields (ensure **name is not empty** and **age is valid**).
- If validation fails, **show an alert**.
- If valid, display the submitted details dynamically.

Step 5: Show Output Dynamically

- Use JavaScript to update the UI and **display the submitted data in a formatted box.** □ Use **smooth animations** for better user experience.

Step 6: End

PROGRAM:

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>User Form</title>
    <style>
        /* Import Google Font */
        @import url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&display=swap');

        /* Page Styling */
        body {
            font-family: 'Poppins', sans-serif;
            background: linear-gradient(135deg, #ff9a9e, #fad0c4);
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            margin: 0;
            animation: fadeIn 1s ease-in-out;
        }

        /* Form Container */
        .container {
            background: white;
            padding: 25px;
            border-radius: 12px;
            box-shadow: 0px 5px 15px rgba(0, 0, 0, 0.2);
            width: 350px;
            text-align: center;
            transition: transform 0.3s ease-in-out;
        }
```

```
.container:hover {  
    transform: scale(1.05);  
  
    }           h2 {           color: #ff4d6d;  
    fontweight: 600;           margin-bottom: 15px;  
    text-shadow: 1px 1px 2px rgba(0, 0, 0, 0.2);  
  
    }  
  
/* Input Fields */    label  
{      font-weight: 600;  
color: #444;      display:  
block;      margin: 10px 0  
5px;  
  
}      input {      width:  
100%;      padding: 10px;  
border: 2px solid #ff4d6d;  
border-radius: 8px;      fontsize:  
16px;      outline: none;  
transition: all 0.3s ease-in-out;  
  
}  
input:focus {  
border-color: #ff165d;      box-shadow: 0px 0px 10px  
rgba(255, 22, 93, 0.4);  
  
}
```

```
/* Submit Button */    button
{
    background:
#ff4d6d;      color: white;      border: none;      padding:
12px;      cursor: pointer;      width: 100%;      font-size:
18px;      font-weight: 600;      border-radius: 8px;
margin-top: 15px;      transition: background 0.3s ease-in-
out, transform 0.2s;

}

button:hover {
background: #ff165d;
transform: scale(1.05);

}

button:active {
transform: scale(0.95);      }

/* Output Box */    .output {
display: none;      margin-top:
20px;      padding: 15px;
border-radius: 8px;
background: #e0f7fa;      color:
#00796b;      font-
size: 16px;      text-align: left;      box-shadow: 0px
4px 10px rgba(0, 0, 0, 0.1);
animation: slideIn 0.5s
ease-in-out;

}
```

```
/* Animations */

@keyframes fadeIn {
    from { opacity: 0; transform: translateY(-10px); }
    to { opacity: 1; transform: translateY(0); }
}

@keyframes slideIn {
    from { opacity: 0; transform: translateY(20px); }
    to { opacity: 1; transform: translateY(0); }
}

</style>
</head>

<body>

<div class="container">

    <h2>Enter Your Details</h2>

    <form id="userForm">

        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required placeholder="Enter your name...">

        <label for="age">Age:</label>
        <input type="number" id="age" name="age" required placeholder="Enter your age...">

        <button type="submit">Submit</button>
    </form>

    <div class="output" id="output"></div>

```

```
</div>

<script>    document.getElementById("userForm").addEventListener("submit",
function(event) {

event.preventDefault(); // Prevent form submission

let name = document.getElementById("name").value.trim();
let age = document.getElementById("age").value.trim();

if (name === "" || age === "" || age <= 0) {
alert("⚠ Please enter a valid name and age.");
return;

}

// Display the submitted data with an animation        let
outputBox = document.getElementById("output");
outputBox.innerHTML =

`<h3>✓ Submitted Details</h3>
<p><b>Name:</b> ${name}</p>
<p><b>Age:</b> ${age}</p>`;
outputBox.style.display
= "block";

});

</script>
</body>
</html>
```

OUTPUT:

Enter Your Details

Name:

Age:

Submit

Submitted Details

Name: Kanishka

Age: 19

RESULT:

The creation of web form using servlet program was executed successfully.