

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, #ff7f50, #ffcc80); /* Orange gradient */

      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;
  font-weight: 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;
  font-size: 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";

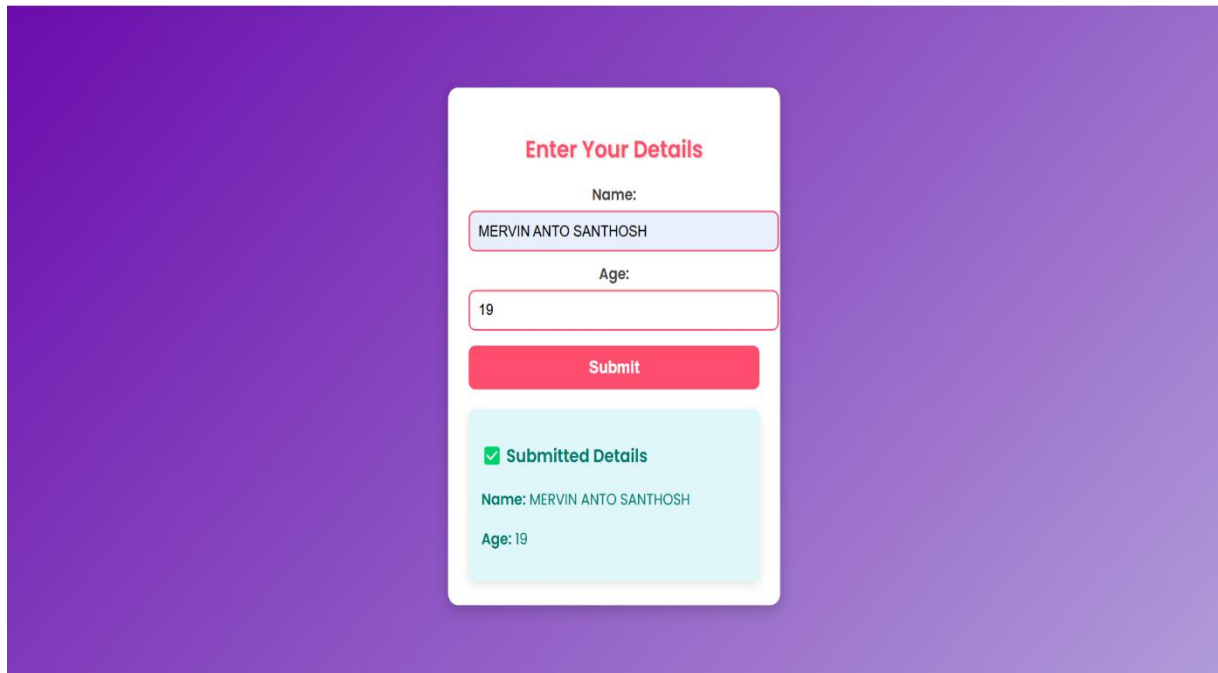
    });

</script>
```

```
</body>
```

```
</html>
```

OUTPUT:



The screenshot displays a web form titled "Enter Your Details" on a purple gradient background. The form is a white card with rounded corners. It contains two input fields: "Name:" with the value "MERVIN ANTO SANTHOSH" and "Age:" with the value "19". Below these is a red "Submit" button. Under the button is a light blue box with a green checkmark icon and the text "Submitted Details". This box lists the submitted information: "Name: MERVIN ANTO SANTHOSH" and "Age: 19".

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