

## **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:**

#### **1. Start**

#### **2. Build Web Form**

##### **- Create HTML form with:**

- Name (text)**
- Age (number)**
- Submit button**

#### **3. Add CSS Styling**

- Apply gradient background**
- Style form elements with hover effects and animations**

#### **4. Add JavaScript Logic**

- Listen for form submission**
- Collect and validate name and age**
- Show alert if invalid, else display results**

#### **5. Display Results**

- Show formatted output with animation**

#### **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
url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;600&display=swap');

    body {
      font-family: 'Poppins', sans-serif;
      background: linear-gradient(135deg, #6b7280, #d1d5db); /* Gray to
light gray */
      display: flex;
      justify-content: center;
      align-items: center;
      height: 100vh;
      margin: 0;
      animation: fadeIn 1s ease-in-out;
    }

    .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: #1e40af; /* Dark blue */
      font-weight: 600;
      margin-bottom: 15px;
      text-shadow: 1px 1px 2px rgba(0, 0, 0, 0.2);
    }

    label {
      font-weight: 600;
```

```
    color: #444;
    display: block;
    margin: 10px 0 5px;
}

input {
    width: 100%;
    padding: 10px;
    border: 2px solid #3b82f6; /* Blue */
    border-radius: 8px;
    font-size: 16px;
    outline: none;
    transition: all 0.3s ease-in-out;
}

input:focus {
    border-color: #1e40af; /* Darker blue */
    box-shadow: 0px 0px 10px rgba(30, 64, 175, 0.4);
}

button {
    background: #3b82f6; /* Blue */
    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: #1e40af; /* Darker blue */
    transform: scale(1.05);
}

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

.output {
    display: none;
    margin-top: 20px;
    padding: 15px;
    border-radius: 8px;
}
```

```

        background: #dbeafe; /* Light blue */
        color: #1e3a8a; /* Dark blue text */
        font-size: 16px;
        text-align: left;
        box-shadow: 0px 4px 10px rgba(0, 0, 0, 0.1);
        animation: slideIn 0.5s ease-in-out;
    }

    @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();

            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;
            }

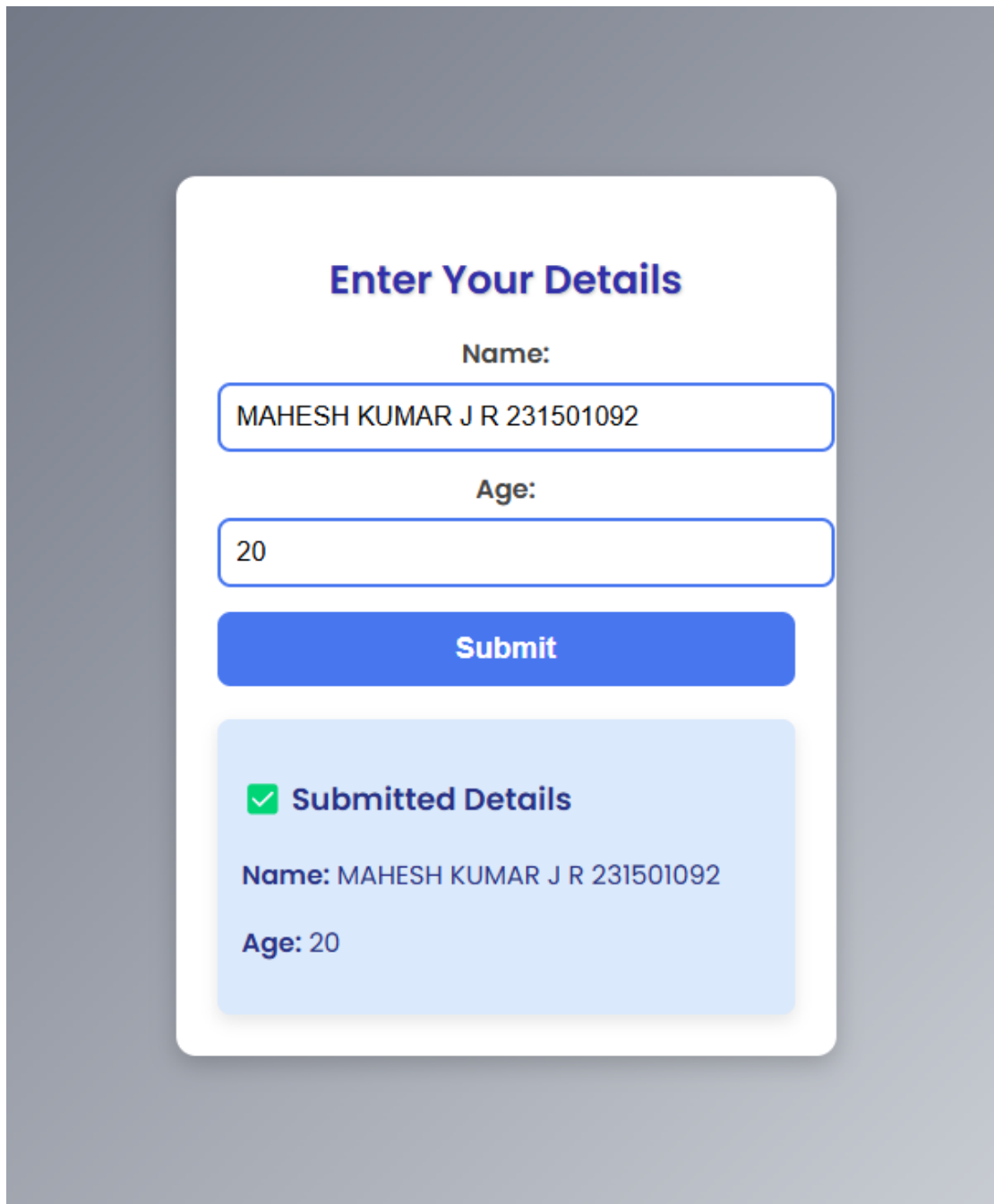
```

```
    }

    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" centered on a light gray background. The form itself is a white rounded rectangle. It contains two input fields: "Name:" with the value "MAHESH KUMAR J R 231501092" and "Age:" with the value "20". Below these is a blue "Submit" button. At the bottom of the form is a light blue confirmation box with a green checkmark icon and the text "Submitted Details", followed by the repeated values for Name and Age.

**Enter Your Details**

Name: MAHESH KUMAR J R 231501092

Age: 20

**Submit**

✓ Submitted Details

Name: MAHESH KUMAR J R 231501092

Age: 20

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