# 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. Build Form

- HTML inputs for name/age + submit button
- Hidden results div

### 2. Style It

- Gradients, shadows, rounded edges
- Hover/focus effects

### 3. Add Motion

- Fade-in form
- Slide-up results

### 4. JS Logic

- Get/submit values
- Validate → show results

### 5. Show & Return

- Display submitted data
- Back button resets view

## PROGRAM:

```
    <!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```html
<title>User Details Form</title>
<style>
  @import url('https://fonts.googleapis.com/css2?family=Poppins:wght@300;400;500;600&display=swap');

  * {
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Poppins', sans-serif;
  }

  body {
    background: linear-gradient(135deg, #f5f7fa 0%, #c3cfe2 100%);
    min-height: 100vh;
    display: flex;
    justify-content: center;
    align-items: center;
    padding: 20px;
  }

  .container {
    background-color: white;
    border-radius: 15px;
    box-shadow: 0 10px 30px rgba(0, 0, 0, 0.1);
    width: 100%;
    max-width: 500px;
    overflow: hidden;
    animation: fadeIn 0.5s ease-out;
  }

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

  .form-header {
    background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
    color: white;
    padding: 20px;
    text-align: center;
  }

  .form-header h2 {
    font-weight: 500;
  }

  .form-body {
    padding: 30px;
```

```css
    }

    .form-group {
      margin-bottom: 25px;
      position: relative;
    }

    .form-group label {
      display: block;
      margin-bottom: 8px;
      font-weight: 500;
      color: #555;
    }

    .form-group input {
      width: 100%;
      padding: 12px 15px;
      border: 2px solid #ddd;
      border-radius: 8px;
      font-size: 16px;
      transition: all 0.3s;
    }

    .form-group input:focus {
      border-color: #667eea;
      outline: none;
      box-shadow: 0 0 0 3px rgba(102, 126, 234, 0.2);
    }

    .submit-btn {
      background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);
      color: white;
      border: none;
      padding: 12px 30px;
      font-size: 16px;
      border-radius: 8px;
      cursor: pointer;
      width: 100%;
      font-weight: 500;
      transition: all 0.3s;
      box-shadow: 0 4px 15px rgba(102, 126, 234, 0.3);
    }

    .submit-btn:hover {
      transform: translateY(-2px);
      box-shadow: 0 6px 20px rgba(102, 126, 234, 0.4);
    }

    .submit-btn:active {
      transform: translateY(0);
```

```css
        }

        .results {
            display: none;
            padding: 30px;
            animation: slideIn 0.5s ease-out;
        }

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

        .results h3 {
            color: #667eea;
            margin-bottom: 20px;
            text-align: center;
            font-weight: 500;
        }

        .result-item {
            background-color: #f8f9fa;
            padding: 15px;
            border-radius: 8px;
            margin-bottom: 15px;
            border-left: 4px solid #667eea;
        }

        .result-item strong {
            color: #555;
        }
.back-btn {
            background-color: #f8f9fa;
            color: #667eea;
            border: 2px solid #667eea;
            padding: 10px 20px;
            font-size: 14px;
            border-radius: 8px;
            cursor: pointer;
            width: 100%;
            font-weight: 500;
            transition: all 0.3s;
            margin-top: 20px;
        }

        .back-btn:hover {
            background-color: #667eea;
            color: white;
        }
    </style>
```

```html
</head>
<body>
  <div class="container">
    <div class="form-header">
        <h2>Enter Your Details</h2>
    </div>

    <div class="form-body" id="formSection">
      <div class="form-group">
        <label for="name">Name:</label>
        <input type="text" id="name" placeholder="Enter your name">
      </div>

      <div class="form-group">
        <label for="age">Age:</label>
        <input type="number" id="age" placeholder="Enter your age">
      </div>

      <button class="submit-btn" id="submitBtn">Submit</button>
    </div>

    <div class="results" id="resultsSection">
      <h3>Submitted Details</h3>

      <div class="result-item">
        <strong>Name:</strong> <span id="displayName">Lokshiya</span>
      </div>

      <div class="result-item">
        <strong>Age:</strong> <span id="displayAge">19</span>
      </div>

      <button class="back-btn" id="backBtn">Back to Form</button>
    </div>
  </div>

  <script>
    document.addEventListener('DOMContentLoaded', function() {
        const formSection = document.getElementById('formSection');
        const resultsSection = document.getElementById('resultsSection');
        const submitBtn = document.getElementById('submitBtn');
        const backBtn = document.getElementById('backBtn');
        const nameInput = document.getElementById('name');
        const ageInput = document.getElementById('age');
        const displayName = document.getElementById('displayName');
        const displayAge = document.getElementById('displayAge');

        // Show form initially
        formSection.style.display = 'block';
        resultsSection.style.display = 'none';
```

```javascript
        // Handle form submission
        submitBtn.addEventListener('click', function(e) {
          e.preventDefault();

          // Get input values
          const name = nameInput.value.trim();
          const age = ageInput.value.trim();

          // Simple validation
          if (!name || !age) {
            alert('Please fill in all fields');
            return;
          }

          // Display the submitted values
          displayName.textContent = name;
          displayAge.textContent = age;

          // Hide form and show results with animation
          formSection.style.display = 'none';
          resultsSection.style.display = 'block';
        });

      // Handle back button
      backBtn.addEventListener('click', function() {
          // Hide results and show form with animation
          resultsSection.style.display = 'none';
          formSection.style.display = 'block';

          // Clear form (optional)
          // nameInput.value = '';
          // ageInput.value = '';
        });
      });
    </script>
  </body>
</html>
```
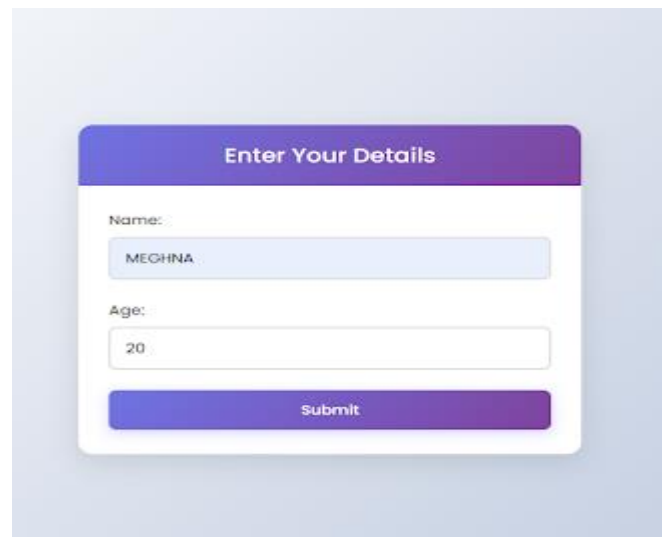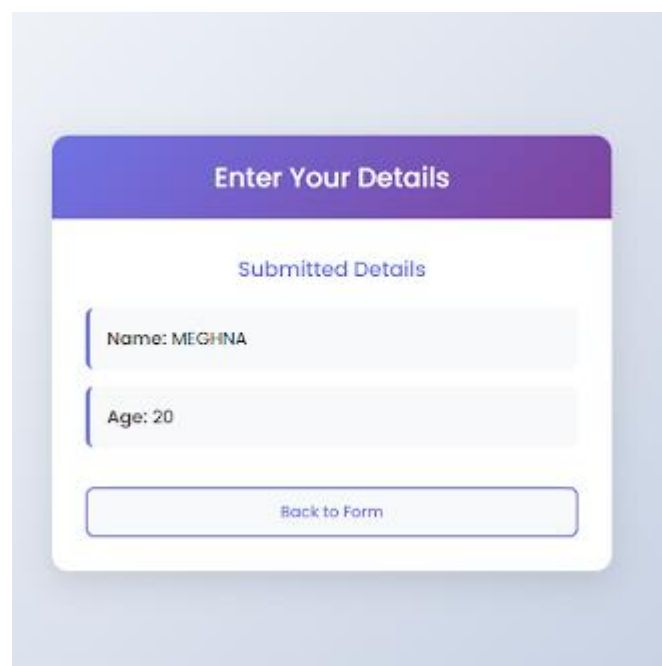
**OUTPUT:**





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