

EXP 5 HTTP GET and POST methods

AIM:

To demonstrate the difference between HTTP GET and POST methods using a Java Servlet by creating a form that sends data using both methods.

ALGORITHM:

1. Load Forms

- Display GET and POST forms with fields (Name, DOB, College)

2. Capture Submission

- Prevent default form submission
- Collect input values

3. Simulate Methods

- **GET**: Generate a URL with query parameters
- **POST**: Process data without URL exposure

4. Display Results

- Show submitted data in "POSTY" section
- For GET: Display simulated URL
- For POST: Hide URL parameters

5. Update UI

- Highlight method used (GET/POST)
- Scroll to results smoothly

PROGRAM:

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

```
<title>Form Submission Demo</title>
<style>
  body {
    font-family: Arial, sans-serif;
    max-width: 600px;
    margin: 0 auto;
    padding: 20px;
    line-height: 1.6;
  }
  h1 {
    color: #333;
    text-align: center;
  }
  .form-container {
    background: #f9f9f9;
    padding: 20px;
    border-radius: 8px;
    margin-bottom: 20px;
    box-shadow: 0 2px 4px rgba(0,0,0,0.1);
  }
  label {
    display: block;
    margin-top: 10px;
    font-weight: bold;
  }
  input[type="text"],
  input[type="number"] {
    width: 100%;
    padding: 8px;
    margin-top: 5px;
    border: 1px solid #ddd;
    border-radius: 4px;
    box-sizing: border-box;
  }
  button {
    background: #4CAF50;
    color: white;
    border: none;
    padding: 10px 15px;
    margin-top: 15px;
    border-radius: 4px;
    cursor: pointer;
    font-size: 16px;
  }
  button:hover {
    background: #45a049;
  }
  .results {
    background: #e9f7ef;
    padding: 20px;
    border-radius: 8px;
```

```

        margin-top: 20px;
        display: none;
    }
    .method-tabs {
        display: flex;
        margin-bottom: 20px;
    }
    .method-tab {
        padding: 10px 20px;
        background: #ddd;
        cursor: pointer;
        border-radius: 5px 5px 0 0;
        margin-right: 5px;
    }
    .method-tab.active {
        background: #4CAF50;
        color: white;
    }
    .form-content {
        display: none;
    }
    .form-content.active {
        display: block;
    }
</style>
</head>
<body>
    <h1>Enter Your Details</h1>

    <div class="method-tabs">
        <div class="method-tab active" onclick="showForm('get')">GET Method</div>
        <div class="method-tab" onclick="showForm('post')">POST Method</div>
    </div>

    <div id="get-form" class="form-content active">
        <div class="form-container">
            <form onsubmit="return submitForm('get')">
                <label for="name-get">Name:</label>
                <input type="text" id="name-get" required>

                <label for="age-get">Age:</label>
                <input type="number" id="age-get" required>

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

    <div id="post-form" class="form-content">
        <div class="form-container">
            <form onsubmit="return submitForm('post')">

```

```

        <label for="name-post">Name:</label>
        <input type="text" id="name-post" required>

        <label for="age-post">Age:</label>
        <input type="number" id="age-post" required>

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

<div id="results" class="results">
    <h2>Submitted Details</h2>
    <p><strong>Name:</strong> <span id="result-name">Lokshiya</span></p>
    <p><strong>Age:</strong> <span id="result-age">19</span></p>
    <p><strong>Method used:</strong> <span id="result-method">GET</span></p>
</div>
<script>
    function showForm(method) {
        document.querySelectorAll('.method-tab').forEach(tab => {
            tab.classList.remove('active');
        });
        document.querySelectorAll('.form-content').forEach(form => {
            form.classList.remove('active');
        });

        document.querySelector(.method-
tab[onclick="showForm('${ method }')"]).classList.add('active');
        document.getElementById(${ method }-form).classList.add('active');
    }

    function submitForm(method) {
        const name = document.getElementById(name-${ method }).value;
        const age = document.getElementById(age-${ method }).value;

        document.getElementById('result-name').textContent = name || 'Lokshiya';
        document.getElementById('result-age').textContent = age || '19';
        document.getElementById('result-method').textContent = method.toUpperCase();

        document.getElementById('results').style.display = 'block';

        // Scroll to results
        document.getElementById('results').scrollIntoView({ behavior: 'smooth' });

        return false; // Prevent actual form submission
    }
</script>
</body>
</html>

```

OUTPUT:

Enter Your Details

GET Method

POST Method

Name:

Age:

Submit

Submitted Details

Name: meghna
Age: 20
Method used: GET

Enter Your Details

GET Method

POST Method

Name:

Age:

Submit

Submitted Details

Name: meghna
Age: 20
Method used: POST

RESULT: The Get and Post methods were executed successfully.