

**Experiment Number: 1**

**Student Name:** Gaurav Kumar

**Branch:** MCA

**Semester:** 2nd

**Subject Name:** Advanced Internet Programming Lab

**UID:** 22MCC20152

**Section/Group:** MCD-1\_A

**Date of Performance:** 23-02-2023

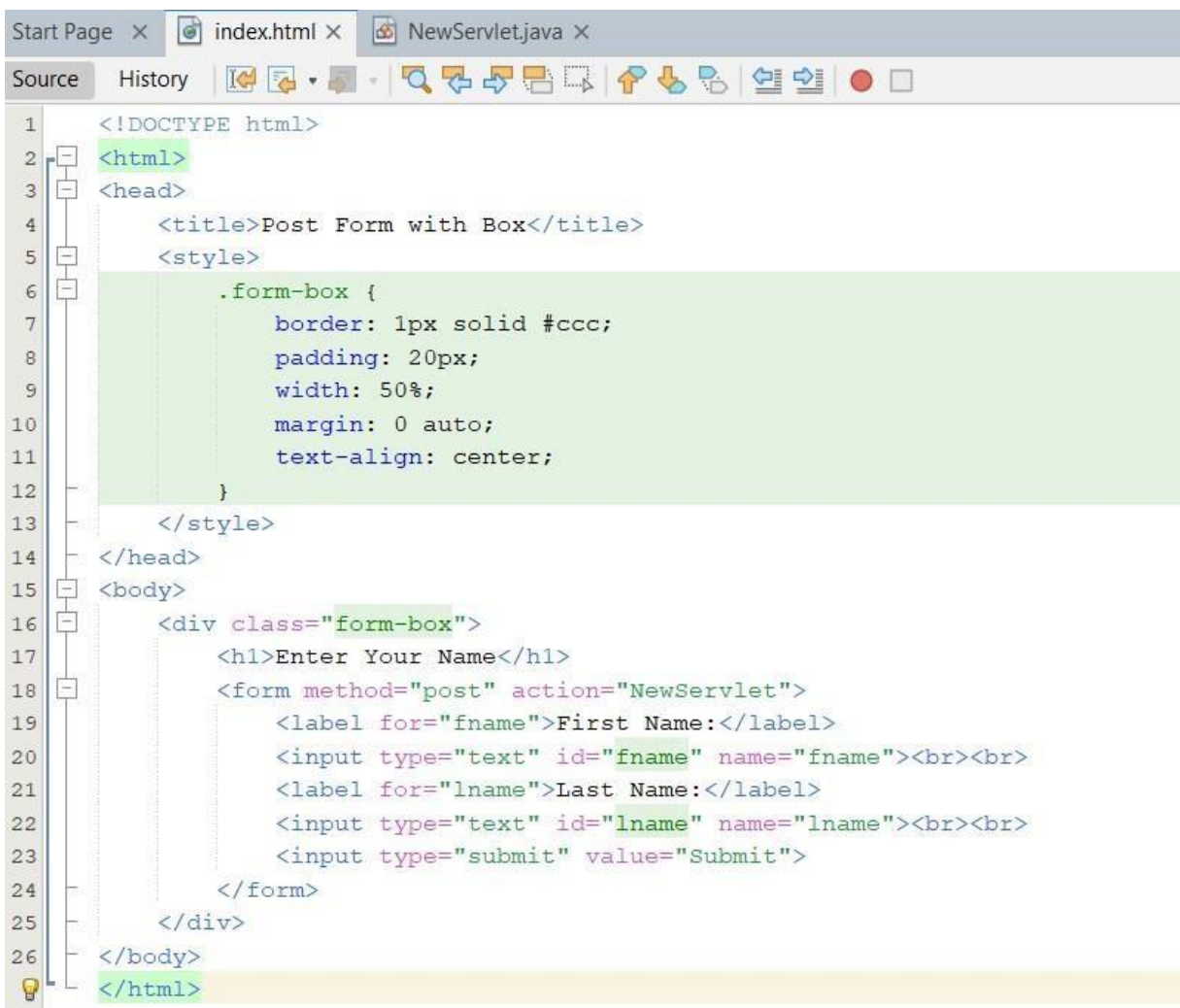
**Subject Code:** 22CAP-686

**Task to be done:**

Create a simple client server communication application while creating a HTML with form and two input fields like First Name and Last Name. Submit the data to a servlet where the form data is retrieved and displayed. Create form with GET method and another with POST method

**Code for experiment/practical:**

**1. Index.html**

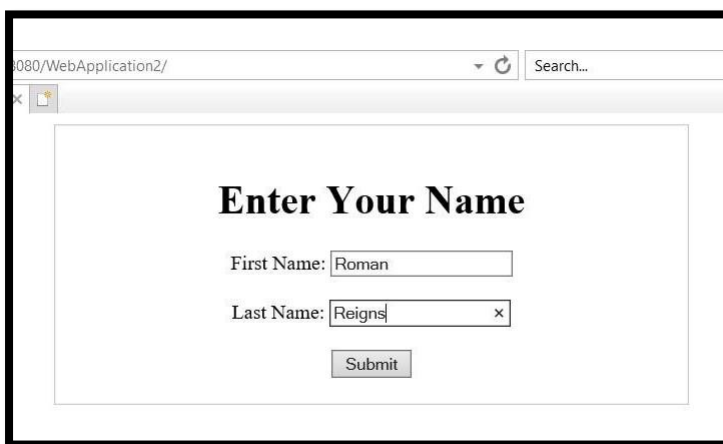


```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      <title>Post Form with Box</title>
5      <style>
6          .form-box {
7              border: 1px solid #ccc;
8              padding: 20px;
9              width: 50%;
10             margin: 0 auto;
11             text-align: center;
12         }
13     </style>
14 </head>
15 <body>
16     <div class="form-box">
17         <h1>Enter Your Name</h1>
18         <form method="post" action="NewServlet">
19             <label for="fname">First Name:</label>
20             <input type="text" id="fname" name="fname"><br><br>
21             <label for="lname">Last Name:</label>
22             <input type="text" id="lname" name="lname"><br><br>
23             <input type="submit" value="Submit">
24         </form>
25     </div>
26 </body>
27 </html>
```

## 2. NewServlet.java

```
Start Page x index.html x NewServlet.java x
Source History
4  */
5
6  import java.io.IOException;
7  import java.io.PrintWriter;
8  import jakarta.servlet.ServletException;
9  import jakarta.servlet.annotation.WebServlet;
10 import jakarta.servlet.http.HttpServlet;
11 import jakarta.servlet.http.HttpServletRequest;
12 import jakarta.servlet.http.HttpServletResponse;
13
14 @WebServlet(urlPatterns = {"/NewServlet"})
15 public class NewServlet extends HttpServlet {
16     @Override
17     public void doPost(HttpServletRequest request, HttpServletResponse response)
18         throws ServletException, IOException {
19
20         String firstName = request.getParameter( string:"fname");
21         String lastName = request.getParameter( string:"lname");
22
23         response.setContentType( string:"text/html");
24
25         PrintWriter out = response.getWriter();
26
27         out.println( x:"<html>");
28         out.println( x:"<head><title>Servlet Response</title></head>");
29         out.println( x:"<body>");
30         out.println( x:"<h1>Hello, " + firstName + " " + lastName + "!</h1>");
31         out.println( x:"</body></html>");
32     }
33 }
34
```

### Result/Output/Writing Summary:

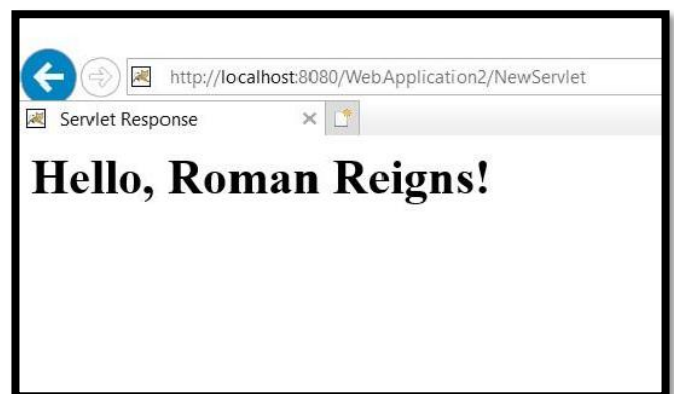


080/WebApplication2/

Enter Your Name

First Name:

Last Name:



### Learning outcomes (What I have learnt): 1.

Learned how to configure a new Servlet.

2. Learned how to deploy a simple html form.

### Evaluation Grid:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.	Demonstration and Performance (Quiz)		5
2.	Worksheet		10
3.	Lab Quiz		5