4.To invoke servlets from HTML forms

CODE

index.jsp

<!DOCTYPE html>

<html>

<head>

<title>Student Information Form</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<form action="NewServlet">

<label for="name">Name:</label>

<input type="text" name="name" required>

<br>

<label for="no">Rollno:</label>

<input type="number" name="no" required>

<br>

<p> Year of Study</p>

<input type="radio" name="r1" value="First" required> First

<input type="radio" name="r1" value="Second" required> Second

<input type="radio" name="r1" value="Third" required> Third

<input type="radio" name="r1" value="Final" required> Final

<br>

<label for="s1">Department:</label>

<select name="s1" id="s1" required>

<option value="CSE">CSE</option>

<option value="ECE">ECE</option>

</select>

<br>

<input type="submit" value="Submit">

</form>

</body>

</html>

NewServlet.java

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

@WebServlet(urlPatterns = {"/NewServlet"})

public class NewServlet extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String name = request.getParameter("name");

int rollno = Integer.parseInt(request.getParameter("no"));

String year = request.getParameter("r1");

String department = request.getParameter("s1");

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Student Details</title>");

out.println("</head>");

out.println("<body>");

out.println("<h1>Student Details</h1>");

out.println("<table border='2'>");

out.println("<tr><th>Name</th><th>Roll No</th><th>Year</th><th>Department</th></tr>");

out.println("<tr><td>" + name + "</td><td>" + rollno + "</td><td>" + year + "</td><td>" + department + "</td></tr>");

out.println("</table>");

out.println("</body>");

out.println("</html>");

}

}