**Create a simple calculator application using servlet.**

**➢ Code:**

## ● **index.html**

**<html>**

**<head>**

**<title>Practical 1</title>**

**<meta charset="UTF-8">**

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

**</head>**

**<body>**

**<form action="CalculatorServlet">**

**<h3>Hello! llll</h3>**

**Enter first number: <input type="text" name="txtN1" value="" /><br><br> Enter second number: <input type="text" name="txtN2" value="" /><br><br>**

**Select an Operation:<br><br>**

**<input type="radio" name="opr" value="+" />Addition<br><br>**

**<input type="radio" name="opr" value="-" />Subtraction<br><br>**

**<input type="radio" name="opr" value="\*" />Multiplication<br><br>**

**<input type="radio" name="opr" value="/" />Divide<br><br>**

**<input type="reset" value="Reset" /> <input type="submit" value="Calculate" />**

**</form>**

**</body>**

**</html>**

## ● **CalculatorServlet**

**import java.io.\*;**

**import javax.servlet.ServletException; import javax.servlet.http.\*;**

**public class CalculatorServlet extends HttpServlet { @Override**

**protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {**

**response.setContentType("text/html;charset=UTF-8"); try (PrintWriter out = response.getWriter()) {**

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

**out.println("<title>Servlet CalculatorServlet</title>"); out.println("</head>");**

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

**double n1 = Double.parseDouble(request.getParameter("txtN1")); double n2 = Double.parseDouble(request.getParameter("txtN2")); double result = 0;**

**String opr = request.getParameter("opr"); if (opr.equals("+")) {**

**result = n1 + n2;**

**}**

**if (opr.equals("-")) { result = n1 - n2;**

**}**

**if (opr.equals("\*")) { result = n1 \* n2;**

**}**

**if (opr.equals("/")) { result = n1 / n2;**

**}**

**out.println("<h1> Result = " + result); out.println("</body>"); out.println("</html>");**

**}**

**}**

**}**