File 1: Index.html

<!DOCTYPE html>

<html>

<head>

<meta charset=”ISO-8859-1”>

<title>32320 Simple calculator</title>

</head>

<body>

<form action=”add” method=”POST”>

<pre>

Enter First Number <input type=”text” name=”num1”>

<br>

Enter Second Number <input type=”text” name=”num2”>

<br>

Select an Operation

<input type=”radio” name=”opr” value=”+”>ADDITION <br>

<input type=”radio” name=”opr” value=”+”>MULTIPLY <br>

<input type=”radio” name=”opr” value=”+”>DIVISION <br>

<input type=”radio” name=”opr” value=”+”>SUBTRACTION <br>

<input type=”reset”><input type=”submit” value=”Calculate”>

</pre>

</form>

</body>

</html>

File 2: Server\_Calc.java file

import java.io.IOException;

import java.io.PrintWriter;

import jakarta.servlet.ServletException;

import jakarta.servlet.http.HttpServlet;

import jakarta.servlet.http.HttpServletRequest;

import jakarta.servlet.http.HttpServletResponse;

public class Servlet\_Calc extends HttpServlet {

public void doPost(HttpServletRequest request, HttpServletResponse

response) throws ServletException, IOException {

PrintWriter out = response.getWriter();

float n1 = Float.parseFloat(request.getParameter(“num1”));

float n2 = Float.parseFloat(request.getParameter(“num2”));

float result =0;

String oprand=request.getParameter(”opr”);

if(oprand.equals(“+”)) result=n1+n2;

else if(oprand.equals(“-”)) result=n1-n2;

else if(oprand.equals(“\*”)) result=n1\*n2;

else if(oprand.equalS(“/”)) result=n1/n2;

else {out.println(“<h4> Entered wrong operand<h4>”);}

out.println(“<h1> Result = “+result);

out.println(“</body></html>”);

}

}

File 3: web.xml file

<?xml version=”1.0” encoding=”UTF-8”?>

<web-app xmlns:xsi=”http://www.w3.org/2001/XMLSchema-instance”

xmlns=”https://jakarta.ee/xml/ns/jakartaee”

xsi:schemaLocation=”https://jakarta.ee/xml/ns/jakartaee

https://jakarta.ee/xml/ns/jakartaee/web-app\_6\_0.xsd” id=”WebApp\_ID”

version=”6.0”>

<display-name>Servlet\_Example</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

<welcome-file>index.jsp</welcome-file>

<welcome-file>index.htm</welcome-file>

<welcome-file>default.html</welcome-file>

<welcome-file>default.jsp</welcome-file>

<welcome-file>default.htm</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>Calculator</servlet-name>

<servlet-class>Servlet\_Calc</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Calculator</servlet-name>

<url-pattern>add</url-pattern>

</servlet-mapping>

</web-app>