**PRACTICAL-11**

**Problem Statement** Create a Struts based basic application which is used to calculate sum of two numbers.

Files should be:

1- web.xml

2- struts.xml

3- SumAction.java

4- Input.jsp

5- Result.jsp

**SOURCE CODE:**

**Web.xml**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://java.sun.com/xml/ns/javaee"* xsi:schemaLocation=*"http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_3\_0.xsd"* id=*"WebApp\_ID"* version=*"3.0"*>

<display-name>Practical11</display-name>

<welcome-file-list>

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

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

</welcome-file-list>

<filter>

<filter-name>struts2</filter-name>

<filter-class>org.apache.struts2.dispatcher.ng.filter.StrutsPrepareAndExecuteFilter</filter-class>

</filter>

<filter-mapping>

<filter-name>struts2</filter-name>

<url-pattern>/\*</url-pattern>

</filter-mapping>

</web-app>

**Struts.xml**

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<!DOCTYPE struts PUBLIC

"-//Apache Software Foundation//DTD Struts Configuration 2.0//EN"

"http://struts.apache.org/dtds/struts-2.0.dtd">

<struts>

<package name=*"Struts2Beginner"* extends=*"struts-default"*>

<action name=*"calculateSumAction"*

class=*"net.codejava.struts.SumAction"*

method=*"calculate"*>

<result name=*"success"*>/Result.jsp</result>

<result name=*"input"*>/Input.jsp</result>

</action>

</package>

</struts>

**SumAction.java**

package net.codejava.struts;

import com.opensymphony.xwork2.ActionSupport;

public class SumAction extends ActionSupport{

private int x;

private int y;

private int sum;

public String calculate() {

sum = x+y;

return *SUCCESS*;

}

public int getX() {

return x;

}

public void setX(int x) {

this.x = x;

}

public int getY() {

return y;

}

public void setY(int y) {

this.y = y;

}

public int getSum() {

return sum;

}

public void setSum(int sum) {

this.sum = sum;

}

}

**Input.jsp**

<%@ taglib prefix=*"s"* uri=*"/struts-tags"* %>

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>struts</title>

</head>

<body>

<center>

<h2>Calculate sum of two numbers</h2>

<s:form action=*"calculateSumAction"* method=*"post"*>

<s:textfield name=*"x"* size=*"10"* label=*"Enter X"*/>

<s:textfield name=*"y"* size=*"10"* label=*"Enter Y"*/>

<s:submit value=*"Calculate"*/>

</s:form>

</center>

</body>

</html>

**Result.jsp**

<%@ taglib prefix=*"s"* uri=*"/struts-tags"* %>

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Sum Result</title>

</head>

<body>

Sum of <s:property value=*"x"*/>

and <s:property value=*"y"*/>

is:

<s:property value=*"sum"*/>

</body>

</html>

**OUTPUT**



