Create a simple web application using Spring Framework.

Steps:

1. Create a java web application project.
2. After the creation of the project, edit the web.xml file inside webapp 🡪 WEB-INF🡪web.xml  
   Add the following codes inside the tag <web-app> </web-app>:  
   <servlet>

<servlet-name>dispatcher</servlet-name>

<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

<init-param>

<param-name>contextConfigLocation</param-name>

<param-value>WEB-INF/spring-config.xml</param-value>

</init-param>

<load-on-startup>1</load-on-startup>

</servlet>

<servlet-mapping>

<servlet-name>dispatcher</servlet-name>

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

</servlet-mapping>

<jsp-config>

<jsp-property-group>

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

<page-encoding>UTF-8</page-encoding>

</jsp-property-group>

</jsp-config>

1. Create a new xml file named spring-config.xml in the folder WEB-INF and add the following codes:   
   <?xml version="1.0" encoding="UTF-8"?>

<beans xmlns="http://www.springframework.org/schema/beans"

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:context="http://www.springframework.org/schema/context"

xsi:schemaLocation="http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans.xsd http://www.springframework.org/schema/context https://www.springframework.org/schema/context/spring-context.xsd">

<context:component-scan base-package="com.example.web" />

<bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">

<property name="prefix" value="/WEB-INF/view/" />

<property name="suffix" value=".jsp" />

</bean>

</beans>

1. Edit the index,jsp to create form and add other jsp pages to display the desired pages:  
   index.jsp  
   <%@ page contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>

<html>

<head>

<title>Welcome</title>

</head>

<body>

<h1>WELCOME TO SPRING WEB</h1>

<a href="/form">Form</a>

</body>

</html>  
  
display.jsp  
<%@ page contentType="text/html;charset=UTF-8" language="java" %>

<html>

<head>

<title>Display</title>

</head>

<body>

<p>This is inside display jsp</p>

<h1>Hello, ${name}!</h1>

</body>

</html>  
  
form.jsp  
<%@ page contentType="text/html; charset=UTF-8" pageEncoding="UTF-8" %>

<!DOCTYPE html>

<html>

<head>

<title>JSP - Hello World</title>

</head>

<body>

<h1><%="FORM"%></h1>

<form action="display" method="post">

Name: <input type="text" name="name"><br><br>

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

</form>

</body>

</html>  
  
helloPage.jsp  
<%@ page contentType="text/html;charset=UTF-8" language="java" %>

<html>

<head>

<title>Welcome</title>

</head>

<body>

<h1>WELCOME TO SPRING WEB</h1>

</body>

</html>

1. Create a controller class to control the actions of the jsp pages:  
     
   DemoController.java  
   import org.springframework.stereotype.Controller;

import org.springframework.ui.ModelMap;

import org.springframework.web.bind.annotation.GetMapping;

import org.springframework.web.bind.annotation.PostMapping;

import org.springframework.web.bind.annotation.RequestParam;

@Controller

public class DemoController {

@GetMapping("/form")

public String form() {

return "form"; // /WEB-INF/view/form.jsp

}

@PostMapping("/display")

public String sayHello(@RequestParam("name") String name, ModelMap model) {

model.addAttribute("name",name);

return "display";

}

}

1. Finally run the tomcat server to view the application developed in Spring Web.



