**1.Create a Spring Web Project using Maven**

**pom.xml – Maven Build File**

<project xmlns="http://maven.apache.org/POM/4.0.0"

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

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0

http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.example</groupId>

<artifactId>spring-web-maven</artifactId>

<version>1.0-SNAPSHOT</version>

<packaging>war</packaging>

<dependencies>

<!-- Spring MVC -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>5.3.36</version>

</dependency>

<!-- Servlet API (provided by container) -->

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>javax.servlet-api</artifactId>

<version>4.0.1</version>

<scope>provided</scope>

</dependency>

<!-- JSP support -->

<dependency>

<groupId>javax.servlet.jsp</groupId>

<artifactId>javax.servlet.jsp-api</artifactId>

<version>2.3.3</version>

<scope>provided</scope>

</dependency>

</dependencies>

<build>

<finalName>spring-web-maven</finalName>

</build>

</project>

**web.xml – Web Deployment Descriptor**

<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"

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

xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee

http://xmlns.jcp.org/xml/ns/javaee/web-app\_3\_1.xsd"

version="3.1">

<servlet>

<servlet-name>spring</servlet-name>

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

<init-param>

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

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

</init-param>

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

</servlet>

<servlet-mapping>

<servlet-name>spring</servlet-name>

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

</servlet-mapping>

<welcome-file-list>

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

</welcome-file-list>

</web-app>

**spring-servlet.xml – Spring MVC Configuration**

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

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

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

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

xsi:schemaLocation="

http://www.springframework.org/schema/beans

http://www.springframework.org/schema/beans/spring-beans.xsd

http://www.springframework.org/schema/context

http://www.springframework.org/schema/context/spring-context.xsd

http://www.springframework.org/schema/mvc

http://www.springframework.org/schema/mvc/spring-mvc.xsd">

<!-- Enable @Controller annotations -->

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

<mvc:annotation-driven />

<!-- View Resolver for JSP -->

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

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

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

</bean>

</beans>

**Controller Class – HomeController.java**

package com.example.web.controller;

import org.springframework.stereotype.Controller;

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

import org.springframework.web.servlet.ModelAndView;

@Controller

public class HomeController {

@RequestMapping("/")

public ModelAndView home() {

ModelAndView mv = new ModelAndView("index");

mv.addObject("message", "Welcome to Spring MVC!");

return mv;

}

}

**JSP View – index.jsp**

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

<html>

<head>

<title>Spring Web App</title>

</head>

<body>

<h1>${message}</h1>

</body>

</html>

**2.Spring Core – Load Country from Spring Configuration XML**

**Country Class Definition**

package com.example.springcore;

public class Country {

private String name;

private String capital;

public Country() {}

public Country(String name, String capital) {

this.name = name;

this.capital = capital;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getCapital() {

return capital;

}

public void setCapital(String capital) {

this.capital = capital;

}

@Override

public String toString() {

return "Country{name='" + name + "', capital='" + capital + "'}";

}

}

**XML Configuration (applicationContext.xml)**

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

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

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

xsi:schemaLocation="

http://www.springframework.org/schema/beans

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

<bean id="country" class="com.example.springcore.Country">

<property name="name" value="India"/>

<property name="capital" value="New Delhi"/>

</bean>

</beans>

**Accessing the Bean in a Java Application**

package com.example.springcore;

import org.springframework.context.ApplicationContext;

import org.springframework.context.support.ClassPathXmlApplicationContext;

public class MainApp {

public static void main(String[] args) {

ApplicationContext context = new ClassPathXmlApplicationContext("applicationContext.xml");

Country country = context.getBean("country", Country.class);

System.out.println(country);

}

}