Spring:

Redirecting:

We can redirect to other pages using redirect prefix and RedirectView

1. redirect prefix-----------------inside method write return “redirect:/view”;



Relative url

1. RedirectView --create RedirectView object and use setUrl() method and then return that object. Observe the return type of the method.



Observe return type

Observe no slash

Springmvc search

1. Add the dependencies in pom.xml
2. Web.xml
3. Configure dispatcher servlet

|  |
| --- |
| <!DOCTYPE web-app PUBLIC  "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"  "http://java.sun.com/dtd/web-app\_2\_3.dtd" >  <web-app>  <display-name>Archetype Created Web Application</display-name>  <!-- Configure dispatcher servlet -->  remember  <servlet>  <servlet-name>spring</servlet-name>  <servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>  </servlet>  <servlet-mapping>  <servlet-name>spring</servlet-name>  <url-pattern>/</url-pattern>  </servlet-mapping>  </web-app> |

Now we need to create spring-servlet.xml in webapp

And configure it as follows

Spring-servlet.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"*  xmlns:context=*"http://www.springframework.org/schema/context"*  xmlns:p=*"http://www.springframework.org/schema/p"*  xmlns:tx=*"http://www.springframework.org/schema/tx"*  xmlns:mvc=*"http://www.springframework.org/schema/mvc"*  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/tx*  *http://www.springframework.org/schema/tx/spring-tx.xsd*  This package it will search  We need to creae that package in src/main/java  *http://www.springframework.org/schema/mvc*  *http://www.springframework.org/schema/mvc/spring-mvc.xsd*  *"*>  <context:component-scan  base-package=*"springmvcsearch2"* />  <mvc:annotation-driven />  Here you need to write views.  Like view.jsp  <mvc:resources location=*"/WEB-INF/resources/"*  mapping=*"/resources/\*\*"* />  <bean  class=*"org.springframework.web.servlet.view.InternalResourceViewResolver"*  name=*"viewResolver"*>  <property name=*"prefix"* value=*"/WEB-INF/views/"* />  <property name=*"suffix"* value=*".jsp"*></property>  </bean>    <!-- configuring multipart resolver -->  <bean name=*"multipartResolver"*  class=*"org.springframework.web.multipart.commons.CommonsMultipartResolver"* >      </bean>  </beans> |

Now the default index.jsp will fire.

But we need to **redirect it to our required page**.

For this first change the code in index.jsp to as follows

(here we need to write which file need to be displayed)

|  |
| --- |
| <%  response.sendRedirect("pavan");  %>  Redirecting to be done http://localhost:8080/springmvcsearch2/pavan  Here we are requesting for pavan i.e., in browser when entered http://localhost:8080/springmvcsearch2/pavan  What to happen  Now it goes to Controller and search for the RequestMapping with name pavan |

create package in src/main/java with name springmvcsearch2 and in that create a class with SearchController

In that write the following code:

SearchController.java

|  |
| --- |
| Redirecting to home.jsp file  Request name in index.jsp |

Here when we run the project then home.jsp will be called. This is to be created in WEB-INF/views/home.jsp( we configured it earlier)

home.jsp

|  |
| --- |
| <%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*  pageEncoding=*"ISO-8859-1"*%>  <!DOCTYPE html>  <html>  <head>  <meta charset=*"ISO-8859-1"*>  <title>Insert title here</title>  </head>  <body>  This is pavan page in home.jsp  </body>  </html> |

See at the end to understand clearly. Another example given

Now modify the code in home.jsp file to display the form

|  |
| --- |
| <%@ taglib prefix=*"c"* uri=*"http://java.sun.com/jsp/jstl/core"*%>  <!doctype html>  <html lang=*"en"*>  <head>  <!-- Required meta tags -->  <meta charset=*"utf-8"*>  <meta name=*"viewport"*  content=*"width=device-width, initial-scale=1, shrink-to-fit=no"*>  <!-- Bootstrap CSS -->  <link rel=*"stylesheet"*  href=*"https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css"*  integrity=*"sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm"*  crossorigin=*"anonymous"*>  <link href=*"*<c:url value=*"/resources/css/style.css"* />*"*>  <script src=*"*<c:url value=*"/resources/js/script.js"* />*"*></script>  <title>Google Search</title>  </head>  <body>  <div class=*"container"*>  <h1 class=*"text-center m-4"*>This is my home page</h1>  <div class=*"card mx-auto mt-5 bg-primary"* style="width: *50%*;">  <div class=*"card-body py-5"*>  <h3 class=*"text-center text-white"*  style="text-transform: *uppercase*;">My Search</h3>  **<form action=*"search"* class=*"mt-3"*>**  <div class=*"form-group"*>  <input type=*"text"* name=*"querybox"*  placeholder=*"Enter your keyword"* class=*"form-control"* />  </div>  <div class=*"container text-center"*>  <button class=*"btn btn-outline-light"*>Search</button>  </div>  </form>  </div>  </div>  </div>  <!-- Optional JavaScript -->  <!-- jQuery first, then Popper.js, then Bootstrap JS -->  <script src=*"https://code.jquery.com/jquery-3.2.1.slim.min.js"*  integrity=*"sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN"*  crossorigin=*"anonymous"*></script>  <script  src=*"https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.12.9/umd/popper.min.js"*  integrity=*"sha384-ApNbgh9B+Y1QKtv3Rn7W3mgPxhU9K/ScQsAP7hUibX39j7fakFPskvXusvfa0b4Q"*  crossorigin=*"anonymous"*></script>  <script  src=*"https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/js/bootstrap.min.js"*  integrity=*"sha384-JZR6Spejh4U02d8jOt6vLEHfe/JQGiRRSQQxSfFWpi1MquVdAyjUar5+76PVCmYl"*  crossorigin=*"anonymous"*></script>  </body>  </html> |

When form is submitted the request goes to search since

action=”search” in <form> tag.

Now define the method what to happen when search request comes in SearchController.java

|  |
| --- |
| **package** springmvcsearch2;  **import** org.springframework.stereotype.Controller; **import**  org.springframework.web.bind.annotation.RequestMapping;  **import** org.springframework.web.bind.annotation.RequestParam;  **import** org.springframework.web.servlet.view.RedirectView;    @Controller **public** **class** SearchController {    @RequestMapping("/first")  **public** String home() {  System.***out***.println("This is first controller in searchController.java");  **return** "home";  }    @RequestMapping("/about")  **public** String aboutUs() {  System.***out***.println("This is about page in searchcontroller");  **return** "info";  }    @RequestMapping("/search")  **public** RedirectView search(@RequestParam("querybox") String query) {  String url = "https://www.google.com/search?q=" + query;  RedirectView redirectView = **new** RedirectView();  redirectView.setUrl(url);  **return** redirectView;  }    } |