Question 2 to find Simple Interest:

Controller class:-

package com.hellocontroller;

import java.util.ArrayList;

import javax.validation.Valid;

import org.springframework.http.MediaType;

import org.springframework.stereotype.Controller;

import org.springframework.ui.Model;

import org.springframework.validation.BindingResult;

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

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

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

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

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

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

import org.springframework.web.servlet.ModelAndView;

@Controller

public class HelloController {

@RequestMapping(value="/simpleinterest.html", method= RequestMethod.GET)

public ModelAndView getAdmissionForm() {

ModelAndView model1= new ModelAndView("SIForm");

return model1;

}

@ModelAttribute

public void addingCommonObjects(Model model1) {

model1.addAttribute("headerMessage","SIMPLE INTEREST");

}

@RequestMapping(value="/calculate.html", method= RequestMethod.POST)

public ModelAndView submitAdmissionForm(@Valid@ModelAttribute("simpleinterest") SimpleInterest simpleinterest, BindingResult result) {

if(result.hasErrors()) {

ModelAndView model1= new ModelAndView("SIForm");

return model1;

}

ModelAndView model1= new ModelAndView("SISuccess");

return model1;

}

}

Entity Class:- SimpleInterest:

package com.hellocontroller;

import java.util.ArrayList;

import java.util.Date;

import com.fasterxml.jackson.annotation.JsonIgnoreProperties;

import com.fasterxml.jackson.annotation.JsonInclude;

import com.fasterxml.jackson.annotation.JsonProperty;

import com.fasterxml.jackson.annotation.JsonPropertyOrder;

public class SimpleInterest {

private double p;

private double t;

private double r;

public double getP() {

return p;

}

public void setP(double p) {

this.p = p;

}

public double getT() {

return t;

}

public void setT(double t) {

this.t = t;

}

public double getR() {

return r;

}

public void setR(double r) {

this.r = r;

}

}

Simple Interest Form:-

<%@ taglib prefix=*"form"* uri=*"http://www.springframework.org/tags/form"*%>

<html>

<body>

<h1>${headerMessage}</h1>

<h1>Calculate Simple Interest</h1>

<form:errors path=*"simpleinterest.\*"*/>

<form action=*"/FirstSpringMVCProject/calculate.html"* method=*"post"*>

<table>

<tr>

<td>Principal: <input type=*"number"* name=*"p"*/></td>

</tr>

<tr>

<td>Time: <input type=*"number"* name=*"t"*/></td>

</tr>

<tr>

<td>Rate of interest: <input type=*"number"* name=*"r"*/></td>

</tr>

<tr><td><input type=*"submit"* value=*"Submit"*/></td></tr>

</table>

</form>

</body>

</html>

Result page:-

<%@ page contentType=*"text/html; charset=UTF-8"* isELIgnored=*"false"* %>

<html>

<body>

<h1>${headerMessage}</h1>

<h3>Congratulations!! Simple Interest Found successfully</h3>

<h2>Details submitted by you::</h2>

<table>

<tr>

<td>Student Name :</td>

<td>${simpleinterest.p}</td>

</tr>

<tr>

<td>Student Hobby :</td>

<td>${simpleinterest.t}</td>

</tr>

<tr>

<td>Student Mobile :</td>

<td>${simpleinterest.r}</td>

</tr>

<tr>

<td>Result :</td>

<td>${(((simpleinterest.p)\*(simpleinterest.t)\*(simpleinterest.r))/100)}</td>

</tr>

</table>

</body>

</html>

Sevlet:-

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

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

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

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

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-3.0.xsd*

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

*http://www.springframework.org/schema/context/spring-context-3.0.xsd*

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

*http://www.springframework.org/schema/mvc/spring-mvc-3.0.xsd"*>

<context:component-scan base-package=*"com.hellocontroller.HelloController"* />

<mvc:annotation-driven />

<bean id=*"HandlerMapping"*

class=*"org.springframework.web.servlet.handler.BeanNameUrlHandlerMapping"* />

<bean name=*"/welcome.html"* class=*"com.hellocontroller.HelloController"* />

<bean id=*"viewResolver"*

class=*"org.springframework.web.servlet.view.InternalResourceViewResolver"*>

<property name=*"prefix"*>

<value>/WEB-INF/</value>

</property>

<property name=*"suffix"*>

<value>.jsp</value>

</property>

</bean>

</beans>

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>FirstSpringMVCProject</display-name>

<servlet>

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

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

</servlet-class>

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

</servlet>

<servlet-mapping>

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

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

</servlet-mapping>

</web-app>