**PROBLEM: 1**

**Code:**

Marks.java

**package** MyPackage;

**public** **class** Marks {

**private** **int** ee;

**private** **int** cs;

**private** **int** es;

**public** **int** getEe() {

**return** ee;

}

**public** **void** setEe(**int** ee) {

**this**.ee = ee;

}

**public** **int** getCs() {

**return** cs;

}

**public** **void** setCs(**int** cs) {

**this**.cs = cs;

}

**public** **int** getEs() {

**return** es;

}

**public** **void** setEs(**int** es) {

**this**.es = es;

}

*Student.java*

**package** MyPackage;

**public** **class** Student {

**private** **int** Id;

**private** String name;

**private** Marks marks;

**public** **int** getId() {

**return** Id;

}

**public** **void** setId(**int** id) {

Id = id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** Marks getMarks() {

**return** marks;

}

**public** **void** setMarks(Marks marks) {

**this**.marks = marks;

}

**void** displayInfo(){

System.***out***.println(Id+" "+name);

System.***out***.println(marks);

}

}

*Test.java*

**package** MyPackage;

**import** org.springframework.beans.factory.BeanFactory;

**import** org.springframework.beans.factory.xml.~~XmlBeanFactory~~;

**import** org.springframework.core.io.ClassPathResource;

**import** org.springframework.core.io.Resource;

**public** **class** Test {

**public** **static** **void** main(String[] args) {

Resource r=**new** ClassPathResource("AppContext.xml");

BeanFactory factory=**new** ~~XmlBeanFactory~~(r);

Student s=(Student)factory.getBean("obj");

s.displayInfo();

}

}

AppContext.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:p=*"http://www.springframework.org/schema/p"*

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

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

<bean id=*"marks"* class=*"MyPackage.Marks"* autowire=*"byName"*>

<property name=*"ee"*> <value>10</value> </property>

<property name=*"cs"*> <value>20</value> </property>

<property name=*"es"*> <value>30</value> </property>

</bean>

<bean id=*"obj"* class=*"MyPackage.Student"*>

<property name=*"id"* value=*"1"*></property>

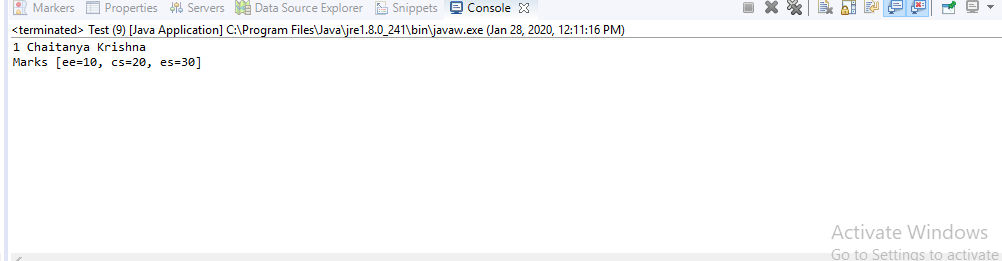
<property name=*"name"* value=*"Chaitanya Krishna"*></property>

<property name=*"marks"* ref=*"marks"*></property>

</bean>

</beans>

**OUTPUT:**

****

**PROBLEM: 2**

Employee.java

**public** **class** Employee {

**private** String empName;

**private** **float** empSal;

**private** **int** empId;

**public** String getEmpName() {

**return** empName;

}

**public** **void** setEmpName(String empName) {

**this**.empName = empName;

}

**public** **float** getEmpSal() {

**return** empSal;

}

**public** **void** setEmpSal(**float** empSal) {

**this**.empSal = empSal;

}

**public** **int** getEmpId() {

**return** empId;

}

**public** **void** setEmpId(**int** empId) {

**this**.empId = empId;

}

}

EmployeeVO.java

**import** java.util.Date;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

**import** javax.persistence.Temporal;

**import** javax.persistence.TemporalType;

**import** org.springframework.format.annotation.DateTimeFormat;

@Entity

@Table

**public** **class** EmployeeVO {

**private** String password;

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

**public** Date getDoj() {

**return** doj;

}

**public** **void** setDoj(Date doj) {

**this**.doj = doj;

}

@Temporal(TemporalType.***DATE***)

@DateTimeFormat(pattern="yyyy-MM-dd")

**private** Date doj;

**private** String empName;

**private** **float** empSal;

**private** **long** mobile;

**public** **long** getMobile() {

**return** mobile;

}

**public** **void** setMobile(**long** mobile) {

**this**.mobile = mobile;

}

@Id

@GeneratedValue(strategy = GenerationType.***AUTO*** )

**private** **int** empId;

**public** String getEmpName() {

**return** empName;

}

**public** **void** setEmpName(String empName) {

**this**.empName = empName;

}

**public** **float** getEmpSal() {

**return** empSal;

}

**public** **void** setEmpSal(**float** empSal) {

**this**.empSal = empSal;

}

**public** **int** getEmpId() {

**return** empId;

}

**public** **void** setEmpId(**int** empId) {

**this**.empId = empId;

}

}

EmpController.java

**import** java.util.List;

**import** org.hibernate.Query;

**import** org.hibernate.Session;

**import** org.hibernate.SessionFactory;

**import** org.hibernate.Transaction;

**import** org.hibernate.boot.registry.StandardServiceRegistry;

**import** org.hibernate.boot.registry.StandardServiceRegistryBuilder;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.stereotype.Controller;

**import** org.springframework.stereotype.Repository;

**import** org.springframework.transaction.annotation.Transactional;

**import** org.springframework.ui.Model;

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

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

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

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

**import** org.springframework.web.servlet.ModelAndView;

**import** oracle.net.aso.s;

@Controller

@Repository

@Transactional

**public** **class** EmpController {

@Autowired

**private** SessionFactory sessionFactory;

@RequestMapping("/date")

String dateTest(@ModelAttribute EmployeeVO vo) {

System.***out***.println("id is"+vo.getDoj());

System.***out***.println(vo.getEmpId());

**return** "FindEmp";

}

@RequestMapping("/viewAll")

String login(Model m) {

Query q=sessionFactory.openSession().createQuery("from EmployeeVO");//where empId=:Idno and mobile=:mob");

List<EmployeeVO> evol= (List<EmployeeVO>) q.list();

System.***out***.println(evol.size());

m.addAttribute("key", evol);

**return** "DispAll";

}

@RequestMapping("/login")

String login(@RequestParam("empID") **int** id,@RequestParam("mobile") **long** mobile,Model m) {

Query q=sessionFactory.openSession().createQuery("from EmployeeVO where empId=:Idno and mobile=:mob");

q.setParameter("Idno", id);

q.setParameter("mob", mobile);

EmployeeVO evo= (EmployeeVO) q.uniqueResult();

**if**(evo==**null**) {

m.addAttribute("key", "Please enter valid empId or mobile ");

**return** "Login";

}

**else**{

m.addAttribute("key", evo);

**return** "Home";

}

}

@RequestMapping("/find")

String search(@RequestParam("empID") **int** id, Model m) {

EmployeeVO evo= (EmployeeVO) sessionFactory.openSession().get(EmployeeVO.**class**,id);

**if**(evo==**null**) {

m.addAttribute("key", "Please enter valid id");

**return** "FindEmp";

}

**else**{

m.addAttribute("key", evo);

**return** "Disp";

}

}

@Transactional

@RequestMapping("/delete")

String delete(@RequestParam("empID") **int** id, Model m) {

Session session=sessionFactory.openSession();

Transaction transactional=session.beginTransaction();

EmployeeVO evo= (EmployeeVO) session.get(EmployeeVO.**class**,id);

**if**(evo==**null**) {

m.addAttribute("key", "Please enter valid id");

**return** "Delete";

}

**else**{

evo.setEmpId(id);

session.delete(evo);

transactional.commit();

m.addAttribute("deleteKey", id+"Deleted");

**return** "Home";

}

}

@RequestMapping(value="/SignUp",method = RequestMethod.***POST***)

ModelAndView register(@ModelAttribute EmployeeVO emp) {

Session session = sessionFactory.openSession();

Transaction t = session.beginTransaction();

**int** no=(**int**)sessionFactory.openSession().save(emp);

t.commit();

**return** **new** ModelAndView("Login");//

}

}

springhiber-servlet.xml

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

<beans:beans

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

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

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

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

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

xsi:schemaLocation=*"http://www.springframework.org/schema/mvc http://www.springframework.org/schema/mvc/spring-mvc.xsd*

*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-4.0.xsd"*>

<annotation-driven />

<!-- <resources mapping="/resources/\*\*" location="/resources/" /> -->

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

<beans:bean

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

<beans:property name=*"prefix"* value=*"/"* />

<beans:property name=*"suffix"* value=*".jsp"* />

</beans:bean>

<beans:bean id=*"dataSource"*

class=*"org.apache.commons.dbcp.BasicDataSource"* destroy-method=*"close"*>

<beans:property name=*"driverClassName"*

value=*"oracle.jdbc.driver.OracleDriver"* />

<beans:property name=*"url"*

value=*"jdbc:oracle:thin:@localhost:1521:xe"* />

<beans:property name=*"username"* value=*"system"* />

<beans:property name=*"password"* value=*"system"* />

</beans:bean>

<beans:bean id=*"hibernate4AnnotatedSessionFactory"*

class=*"org.springframework.orm.hibernate4.LocalSessionFactoryBean"*>

<beans:property name=*"dataSource"* ref=*"dataSource"* />

<beans:property name=*"annotatedClasses"*>

<beans:list>

<beans:value>com.cs.EmployeeVO</beans:value>

</beans:list>

</beans:property>

<beans:property name=*"hibernateProperties"*>

<beans:props>

<beans:prop key=*"hibernate.dialect"*>org.hibernate.dialect.Oracle9Dialect

</beans:prop>

<beans:prop key=*"hibernate.hbm2ddl.auto"*>update</beans:prop>

<beans:prop key=*"hibernate.show\_sql"*>true</beans:prop>

</beans:props>

</beans:property>

</beans:bean>

<tx:annotation-driven

transaction-manager=*"transactionManager"* />

<beans:bean id=*"transactionManager"*

class=*"org.springframework.orm.hibernate4.HibernateTransactionManager"*>

<beans:property name=*"sessionFactory"*

ref=*"hibernate4AnnotatedSessionFactory"* />

</beans:bean>

</beans:beans>

Springmvc-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: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-4.3.xsd*

*http://www.springframework.org/schema/mvc http://www.springframework.org/schema/mvc/spring-mvc-4.3.xsd"*>

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

<bean id=*"viewResolver"*

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

<property name=*"prefix"* value=*"/"*></property>

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

</bean>

</beans>

<!-- <?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:aop="http://www.springframework.org/schema/aop"

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

xmlns:lang="http://www.springframework.org/schema/lang" xmlns:p="http://www.springframework.org/schema/p"

xmlns:tx="http://www.springframework.org/schema/tx" xmlns:util="http://www.springframework.org/schema/util"

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

http://www.springframework.org/schema/beans/spring-beans-3.2.xsd http://www.springframework.org/schema/aop

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

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

http://www.springframework.org/schema/jee/spring-jee.xsd http://www.springframework.org/schema/lang

http://www.springframework.org/schema/lang/spring-lang.xsd http://www.springframework.org/schema/tx

http://www.springframework.org/schema/tx/spring-tx-3.0.xsd http://www.springframework.org/schema/util

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

http://www.springframework.org/schema/mvc/spring-mvc-3.0.xsd"> <context:component-scan

base-package="com.cs" /> <bean class="org.springframework.web.servlet.view.InternalResourceViewResolver">

<property name="prefix" value="/"></property> <property name="suffix" value=".jsp"></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\_2\_5.xsd"*

id=*"WebApp\_ID"* version=*"2.5"*>

<display-name>springwithhibernate</display-name>

<welcome-file-list>

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

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

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

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

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

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

</welcome-file-list>

<servlet>

<servlet-name>springhiber</servlet-name>

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

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

</servlet>

<servlet-mapping>

<servlet-name>springhiber</servlet-name>

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

</servlet-mapping>

<context-param>

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

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

</context-param>

</web-app>

DateCheck.jsp

<!DOCTYPE html>

<html>

<head>

<style>

*.submit* {

background: *#25A6E1*;

filter: *progid*: *DXImageTransform.Microsoft.gradient*( *startColorstr*=*'#25A6E1',*

*endColorstr*=*'#188BC0', GradientType*=*0)*;

padding: *3px 5px*;

color: *#fff*;

font-family: *'Helvetica Neue', sans-serif*;

font-size: *12px*;

border-radius: *10px*;

-moz-border-radius: *2px*;

-webkit-border-radius: *4px*;

border: *1px solid #1A87B9*

}

**table** {

font-family: *"Helvetica Neue", Helvetica, sans-serif*;

width: *50%*;

}

**tr** {

background: *SteelBlue*;

color: *white*;

}

**td,** **tr** {

border: *1px solid gray*;

width: *25%*;

text-align: *left*;

padding: *5px 10px*;

}

</style>

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

<title>Insert title here</title>

</head>

<body>

<form action=*"date.cs"*>

<table align=*"center"*>

<tr>

<td>Dob</td>

<td><input type=*"date"* name=*"doj"*></td>

</tr>

<tr>

<td></td>

<td><input type=*"submit"* value=*"Search"*></td>

</tr>

</table>

</form>

</body>

</html>

Delete.jsp

<!DOCTYPE html>

<html>

<head>

<style>

@import *url("mystyles.css")*;

</style>

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

<title>Insert title here</title>

</head>

<body>

<h1 align=*"center"*>

<font color=*"red"*>${key}</font>

</h1>

<form action=*"delete.cs"*>

<table align=*"center"*>

<tr>

<td>empId</td>

<td><input type=*"text"* name=*"empID"*></td>

</tr>

<tr>

<td></td>

<td><input type=*"submit"* value=*"Delete"*></td>

</tr>

</table>

</form>

</body>

</html>

Disp.jsp

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

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

<!DOCTYPE html>

<html>

<head>

<style>

@import *url("mystyles.css")*;

</style>

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

<title>Insert title here</title>

</head>

<body>

<table align=*"center"* border=*"10"* cellspacing=*"10"*>

<tr>

<td>${key.empId}</td>

<td>${key.empName}</td>

<td>${key.empSal}</td>

<td>${key.mobile}</td>

<td>${key.doj}</td>

</tr>

</table>

</body>

</html>

DispAll.jsp

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

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

<%@ taglib uri=*"http://java.sun.com/jsp/jstl/core"* prefix=*"sd"*%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<style type=*"text/css"*>

@import *url("mystyles.css")*;

</style>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body bgcolor=*"cyan"*>

<h1 align=*"center"*>Trainers Info</h1>

<table>

<tr bgcolor=*"tomato"*>

<td bgcolor=*"tomato"*>EmpID</td>

<td bgcolor=*"tomato"*>EmpName</td>

<td bgcolor=*"tomato"*>Salary</td>

<td bgcolor=*"tomato"*>DOJ</td>

<td bgcolor=*"tomato"*>MobileNo</td>

</tr>

<sd:forEach var=*"emp"* items=*"*${key}*"*>

<tr>

<td>${emp.empId}</td>

<td>${emp.empName}</td>

<td>${emp.empSal}</td>

<td>${emp.doj}</td>

<td>${emp.mobile}</td>

</tr>

</sd:forEach>

</table>

<div id=*"trainer\_data"*></div>

</body>

</html>

FindEmp.jsp

<!DOCTYPE html>

<html>

<head>

<style>

@import *url("mystyles.css")*;

/\* .submit {

background: #25A6E1;

filter: progid: DXImageTransform.Microsoft.gradient( startColorstr='#25A6E1',

endColorstr='#188BC0', GradientType=0);

padding: 3px 5px;

color: #fff;

font-family: 'Helvetica Neue', sans-serif;

font-size: 12px;

border-radius: 10px;

-moz-border-radius: 2px;

-webkit-border-radius: 4px;

border: 1px solid #1A87B9

}

table {

font-family: "Helvetica Neue", Helvetica, sans-serif;

width: 50%;

}

tr {

background: SteelBlue;

color: white;

}

td, tr {

border: 1px solid gray;

width: 25%;

text-align: left;

padding: 5px 10px;

} \*/

</style>

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

<title>Insert title here</title>

</head>

<body>

<h1 align=*"center"*><font color=*"red"*>${key}</font></h1>

<form action=*"find.cs"*>

<table align=*"center"*>

<tr>

<td>UserName</td>

<td><input type=*"text"* name=*"empID"*></td>

</tr>

<!-- <tr>

<td>Dob</td>

<td><input type="date" name="doj"></td>

</tr> -->

<tr>

<td></td>

<td><input type=*"submit"* value=*"Search"*></td>

</tr>

</table>

</form>

</body>

</html>

Home.jsp

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

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

<!DOCTYPE html>

<html>

<head>

<style type=*"text/css"*>

@import *url("mystyles.css")*;

</style>

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

<title>Insert title here</title>

</head>

<body>

<table>

<tr>

<td><a href=*"viewAll.cs"*>Display All</a></td>

</tr>

<tr>

<td><a href=*"FindEmp.jsp"*>View My Data </a></td>

</tr>

<tr>

<td><a href=*"Delete.jsp"*>Delete Employee</a> <font color=*"red"*>${deleteKey}</font></td>

</tr>

</table>

</body>

</html>

Login.jsp

<!DOCTYPE html>

<html>

<head>

<script

src=*"https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"*></script>

<style>

@import *url("mystyles.css")*;

</style>

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

<title>Insert title here</title>

</head>

<body>

<script>

**var** app = angular.module('myApp', []);

app.controller('validateCtrl', **function**($scope) {

$scope.empID = '001';

$scope.mobile = '9876543210';

});

</script>

<h1 align=*"center"*>

<font color=*"red"*>${key}</font>

</h1>

<form action=*"login.cs"* ng-app=*"myApp"* ng-controller=*"validateCtrl"*

name=*"myForm"* novalidate>

<table align=*"center"*>

<tr>

<td>empId</td>

<td><input type=*"text"* ng-model=*"empID"* name=*"empID"* required>

<span style="color: *black*"

ng-show=*"myForm.empID.$dirty && myForm.empID.$invalid"*> <span

ng-show=*"myForm.empID.$error.required"*>EmpID is required.</span>

</span></td>

</tr>

<tr>

<td>MobileNo</td>

<td><input type=*"text"* name=*"mobile"* ng-model=*"mobile"* required>

<span style="color: *black*"

ng-show=*"myForm.mobile.$dirty && myForm.mobile.$invalid"*> <span

ng-show=*"myForm.mobile.$error.required"*>MObile no is

required.</span>

</span></td>

</tr>

<tr>

<td></td>

<td><input type=*"submit"* style="bg-color: *green*" value=*"click"*

ng-disabled=*"myForm.empID.$dirty && myForm.empID.$invalid ||*

*myForm.mobile.$dirty && myForm.mobile.$invalid"*></td>

</tr>

</table>

</form>

</body>

</html>

Mystyle.css

@charset *"ISO-8859-1"*;

*.submit* {

background: *#800080*;

filter: *progid*: *DXImageTransform.Microsoft.gradient*( *startColorstr*=*'#25A6E1',*

*endColorstr*=*'#188BC0',* *GradientType*=*0)*;

padding: *3px* *5px*;

color: *#c0c0c0*;

font-family: *'Helvetica Neue',* *sans-serif*;

font-size: *20px*;

border-radius: *10px*;

-moz-border-radius: *2px*;

-webkit-border-radius: *4px*;

border: *1px* *solid* *#1A87B9*

}

**table** {

margin-left: *auto*;

margin-right: *auto*;

font-family: *"Helvetica Neue",* *Helvetica,* *sans-serif*;

width: *50%*;

}

**tr** {

background: *Purple*;

color: *white*;

}

**td,** **tr** {

border: *10px* *solid* *#808000*;

width: *25%*;

text-align: *center*;

padding: *10px* *10px*;

color: *white*;

}

**a**{

color: *white*;

text-decoration: *overline*;

}

SignUp.html

<!DOCTYPE html>

<html>

<head>

<script

src=*"https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"*></script>

<style>

@import *url("mystyles.css")*;

**input***.ng-invalid* {

background-color: *pink*;

}

**input***.ng-valid* {

background-color: *yellow*;

}

</style>

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

<title>SignupForm</title>

</head>

<body ng-app=*""*>

<form action=*"SignUp.cs"* method=*"post"*>

<table align=*"center"*>

<tr>

<td>Mobile</td>

<td><input type=*"text"* ng-model=*"mobile"* required name=*"mobile"*></td>

</tr>

<tr>

<td>PassWord</td>

<td><input type=*"text"* name=*"passWord"* ng-model=*"passWord"*

required></td>

</tr>

<tr>

<td>EmpName</td>

<td><input type=*"text"* name=*"empName"* ng-model=*"empName"*

required></td>

</tr>

<tr>

<td>DoJ</td>

<td><input type=*"date"* name=*"doj"* ng-model=*"doj"* required></td>

</tr>

<tr>

<td>Salary</td>

<td><input type=*"text"* name=*"empSal"* ng-model=*"empSal"* required></td>

</tr>

<tr>

<td></td>

<td><input type=*"submit"* class=*"submit"* value=*"Register"*></td>

</tr>

</table>

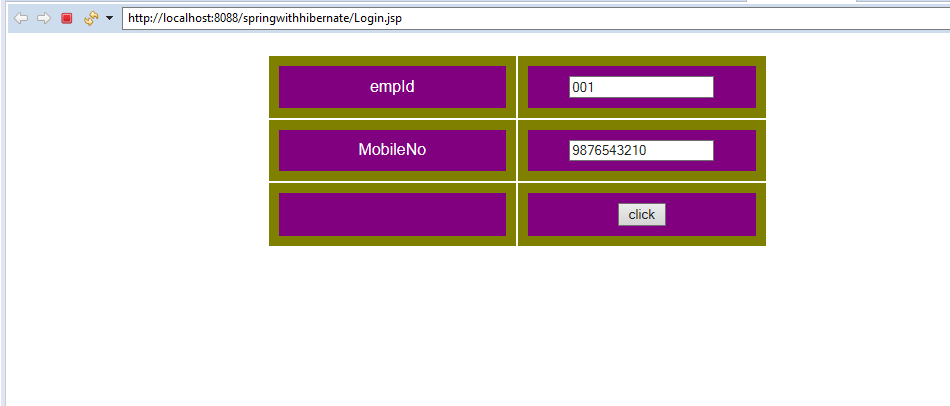
</form>

</body>

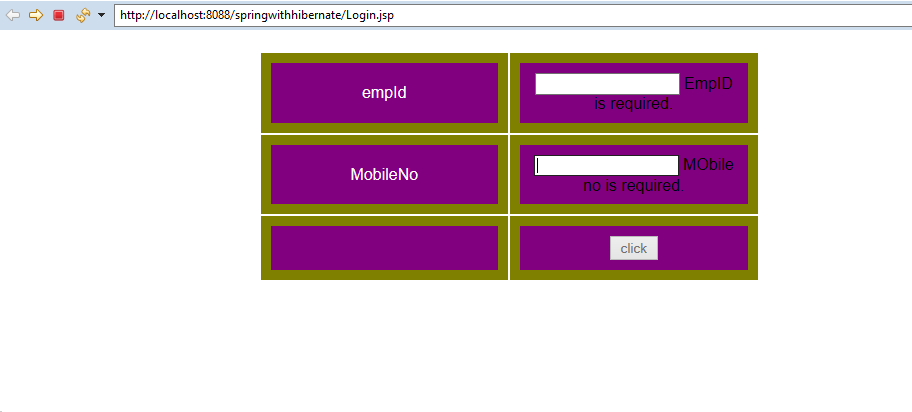
</html>

**OUTPUT**

Loginpage



Loginpage if fields are not entered



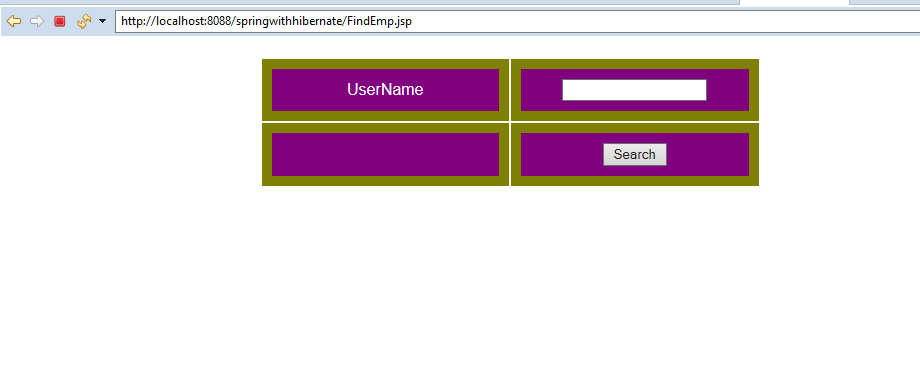
Homepage



Delete page



Find an Employee



**PROBLEM: 3**

**Code:**

<!DOCTYPE html>

<html>

<script src="http://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular.min.js"></script>

<head>

    <style>

        table {

            width: 640px;

            border-collapse: collapse;

            border-spacing: 0;

            background-color: black;

            color: #c0c0c0;

        }

        div {

            border-style: none;

            border-width: 3;

            border-color: #FFFFFF;

        }

        td,

        th {

            border: 2px solid #CCC;

            padding: 10px;

        }

    </style>

</head>

<body><br /><br /><br />

    <center>

        <h4>SIMPLE INTEREST CALCULATOR</h4>

    </center>

    <div ng-app="TestFirstApp" ng-controller="TestCtrl">

        <table align="center">

            <tr>

                <td>PRINCIPAL AMOUNT: </td>

                <td><input type="number" ng-model="amt"></td>

            </tr>

            <tr>

                <td>RATE : </td>

                <td><input type="number" ng-model="rate"></td>

            </tr>

            <tr>

                <td>TIME : </td>

                <td><input type="number" ng-model="terms"></td>

            </tr>

            <tr>

                <td></td>

                <td>

                    <font size=5>Simple Interest of the Total Amount: {{ + interestamt()}}</font>

                </td>

            <tr>

        </table>

    </div>

    <script>

        var app = angular.module('TestFirstApp', []);

        app.controller('TestCtrl', function ($scope) {

            $scope.amt = "";

            $scope.terms = "";

            $scope.rate = "";

            $scope.interestamt = function () {

                return ($scope.amt \* $scope.rate \* $scope.terms) / 100;

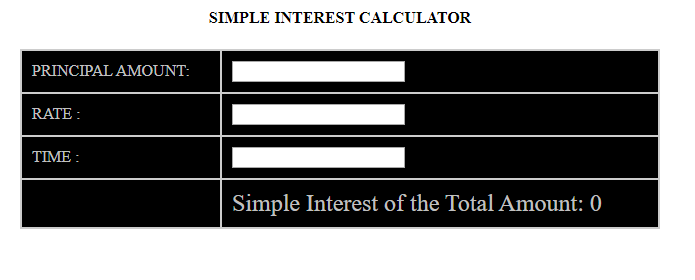
            };

        });

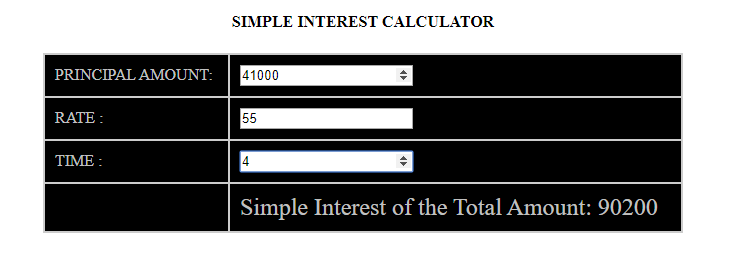
    </script>

</body>

</html>

**OUTPUT: 1**

**OUTPUT: 2**

****

**PROBLEM: 4**

**Code:**

emp.jsp:

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

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

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Employee Search</title>

</head>

<body>

<table>

<tr>

<td>Emp ID</td>

<td ><input type=*'text'* id=*'empID'* /></td>

</tr>

<!-- <input type='button' value='get' onclick='getEmployee();' /> -->

<tr>

<td>Name</td>

<td><input type=*'text'* id=*'empName'* disabled /></td>

</tr>

<tr>

<td>City</td>

<td><input type=*'text'* id=*'city'* disabled /></td>

</tr>

<tr><td colspan=*"2"*><input type=*'button'* value=*'getData'* onclick='getEmployee();' /></td></tr>

</table>

<script>

**var** xhttp;

**function** getEmployee() {

**if** (window.XMLHttpRequest) {

xhttp = **new** XMLHttpRequest();

} **else** **if** (window.ActiveXObject)//for IE

{

xhttp = **new** ActiveXObject("Microsoft.XMLHTTP");

}

**var** empID = document.getElementById("empID").value;

xhttp.onreadystatechange = getResponse;

xhttp.open("GET", "getemployee/" + empID, **true**);

xhttp.send(**null**);

}

**function** getResponse() {

**if** (xhttp.readyState == 4) //if request is complete

{

**if** (xhttp.status == 200)

{

**var** emp = JSON.parse(xhttp.responseText);

document.getElementById("empName").value = emp.empName;

document.getElementById("city").value = emp.city;

}

}

}

</script>

</body>

</html>

EmployeeVO.java:

**package** com.hcl;

**import** javax.persistence.Entity;

**import** javax.persistence.GeneratedValue;

**import** javax.persistence.GenerationType;

**import** javax.persistence.Id;

**import** javax.persistence.Table;

**import** javax.persistence.Temporal;

**import** javax.persistence.TemporalType;

@Entity

@Table

**public** **class** EmployeeVO {

**private** String empName;

**private** String city;

@Id

@GeneratedValue(strategy = GenerationType.***AUTO*** )

**public** String getEmpName() {

**return** empName;

}

**public** **void** setEmpName(String empName) {

**this**.empName = empName;

}

**public** String getCity() {

**return** city;

}

**public** **void** setCity(String city) {

**this**.city = city;

}

}

EmpRestController.java:

**package** com.hcl;

**import** org.hibernate.SessionFactory;

**import** org.springframework.beans.factory.annotation.Autowire;

**import** org.springframework.stereotype.Controller;

**import** org.springframework.ui.Model;

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

**import** org.springframework.web.bind.annotation.RequestMappin;

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

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

**import** org.springframework.web.bind.annotation.RestController;

@RestController

**public** **class** EmpRestController {

@Autowired

SessionFactory sessionFactory;

@RequestMapping(value = "/getemployee/{empID}", method = RequestMethod.GET)

EmployeeVO search(@PathVariable("empID") **int** id, Model m) {

EmployeeVO evo1=**new** EmployeeVO();

evo1.setEmpName("NodataFound");

EmployeeVO evo= (EmployeeVO) sessionFactory.openSession().get(EmployeeVO.**class**,id);

**if**(evo!=**null**) {

**return** evo;

}

**else** {

**return** evo1;

}

}

}

Web.xml:

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

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"*

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

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

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

version=*"3.1"*>

<display-name> SpringWebService </display-name>

<servlet>

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

<servlet-class>

org.springframework.web.servlet.DispatcherServlet

</servlet-class>

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

</servlet>

<servlet-mapping>

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

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

</servlet-mapping>

</web-app>

Dispatcher-servlet.xml:

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

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

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

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

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

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

xsi:schemaLocation=*"http://www.springframework.org/schema/mvc http://www.springframework.org/schema/mvc/spring-mvc.xsd*

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

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

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

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

<mvc:annotation-driven/>

</beans>

OUTPUT:

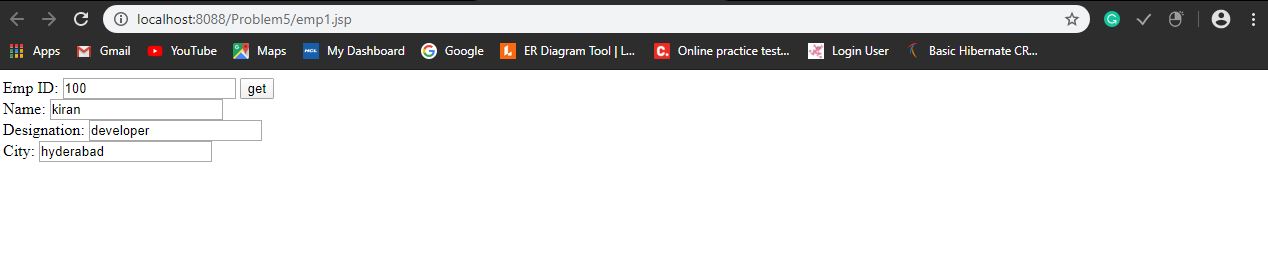
Output:

Sql table & values:





emp1.jsp(run to get details)



emp2.jsp(run to search details)

