

Experiment No. 12

BookForm.java

```
<% @ 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>Insert title here</title>

</head>

<body>

    <form action="data-hib" method="get">

        <h1>ADD BOOK</h1>

        NAME : <input type="text"
name="bookName"><br> <br />

        AUTHOR : <input type="text"
name="author"><br> <br />

        ISBN : <input type="text"
name="isbn"><br> <br /> <input
                type="submit"
value="CLICK ME">

    </form>

</body>

</html>
```

MyController.java

```
package com.controllers;
```

```
import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.SQLException;

//import java.util.List;

import java.util.List;

import javax.persistence.Query;

import javax.sql.DataSource;

import javax.transaction.Transactional;

import
org.springframework.beans.factory.annotation.Auto
wired;

import
org.springframework.orm.hibernate5.HibernateTem
plate;

import org.springframework.stereotype.Controller;

import
org.springframework.web.bind.annotation.GetMapp
ing;

import
org.springframework.web.bind.annotation.RequestP
aram;

import
org.springframework.web.servlet.ModelAndView;

import com.beans.Book;

@Controller

public class MyControlller {

    @Autowired

    HibernateTemplate template;
```

```

    @GetMapping("/data-hib")
    @Transactional
    public ModelAndView
readData_hibernate(@RequestParam String
bookName, @RequestParam String author,
                    @RequestParam String isbn)
{
    System.out.println("name");

    Book book = new Book(bookName,
Integer.parseInt(isbn), author);

    template.saveOrUpdate(book);

    return new
ModelAndView("display", "book", book);
}
}

```

Book.java

```

package com.beans;

import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;

@Entity
@Table(name = "book_workshop")
public class Book {
    private String bookName;

    @Id
    private long ISBN;
    private String author;

    public Book() {

```

```

        // TODO Auto-generated constructor
stub

        this.bookName = "Book Name";
        this.ISBN = 985645671;

        this.author = "ABCD";
    }

    public Book(String bookName, long ISBN,
String author) {
        // TODO Auto-generated constructor
stub

        this.bookName = bookName;
        this.ISBN = ISBN;
        this.author = author;
    }

    public String getBookName() {
        return bookName;
    }

    public void setBookName(String
bookName) {
        this.bookName = bookName;
    }

    public long getISBN() {
        return ISBN;
    }

    public void setISBN(long iISBN) {
        ISBN = iISBN;
    }

    public String getAuthor() {
        return author;
    }

    public void setAuthor(String author) {

```

```

        this.author = author;
    }

    @Override
    public String toString() {
        // TODO Auto-generated method stub

        return bookName + "\t" + author +
            "\t" + ISBN;
    }
}

```

Demo-servlet.xml

```

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

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

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

    xmlns:context="http://www.springframewor
k.org/schema/context"

    xmlns:mvc="http://www.springframework.o
rg/schema/mvc"

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

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

http://www.springframework.org/schema/beans/spri
ng-beans.xsd

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

http://www.springframework.org/schema/context/sp
ring-context.xsd

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

```

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

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

```

        <context:annotation-config />

        <mvc:annotation-driven />

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

        <bean id="viewResolver"

            class="org.springframework.web.servlet.vie
w.InternalResourceViewResolver">

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

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

            </bean>

        <bean id="dataSource"

            class="org.springframework.jdbc.datasource
.DriverManagerDataSource">

                <property name="driverClassName"
value="com.mysql.cj.jdbc.Driver" />

                <property name="url"

                    value="jdbc:mysql://localhost:3306/springpr
oject?allowPublicKeyRetrieval=true&useSSL
=false" />

                <property name="username"
value="root" />

                <property name="password"
value="Shree@123#" />

            </bean>

        <bean id="sessionFactory"

            class="org.springframework.orm.hibernate5.
LocalSessionFactoryBean">

```

```

        <property name="dataSource"
ref="dataSource" />

        <property
name="packagesToScan">
            <list>
                <value>com.beans</value>
            </list>
        </property>
        <property
name="hibernateProperties">
            <props>
                <prop
key="hibernate.show_sql">true</prop>
                <prop
key="hibernate.hbm2ddl.auto">update</prop>
                <prop
key="hibernate.connection.autocommit">true</prop>
            </props>
        </property>
    </bean>

```

```

        <bean id="hibernateTemplate"

            class="org.springframework.orm.hibernate5.
HibernateTemplate">

                <property name="sessionFactory"
ref="sessionFactory" />

                <property
name="checkWriteOperations"
value="false"></property>
            </bean>

            <bean id="transactionManager"

                class="org.springframework.orm.hibernate5.
HibernateTransactionManager">

                    <property name="sessionFactory"
ref="sessionFactory" />
                </bean>

                <tx:annotation-driven transaction-
manager="transactionManager"/>
            </beans>

```

Output:



http://localhost:8088/Spring_web1/bookForm.jsp

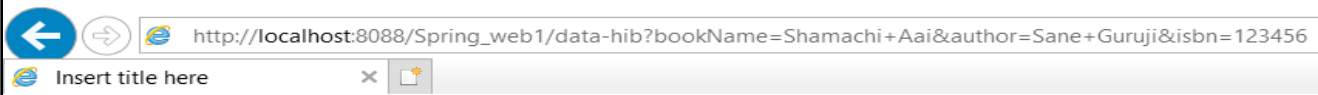
Insert title here

ADD BOOK

NAME :

AUTHOR :

ISBN :



BOOK Details are

BOOK Name : Shamachi Aai

BOOK ISBN : 123456

Author Name : Sane Guruji