**Practical 5**

**Aim:**

**5.11:JSP JSTL SQL Tags**.Now let us write a JSP which will make use of <sql:update> along with <sql:param> and <sql:dataParam> to execute a SQL UPDATE statement to update date of birth for Ruhi. Also Display all records on browser.

**Program code:**

**Bookdetail.jsp**

<%@ tagliburi="http://java.sun.com/jsp/jstl/sql" prefix="sql"%>

<%@ tagliburi="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<%@page contentType="text/html" pageEncoding="UTF-8" import="java.io.\*,java.sql.\*,javax.servlet.\*,javax.servlet.http.\*"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<c:setvar="id" value="${param.id}"/>

<c:setvar="name" value="${param.bookname}"/>

<c:setvar="author" value="${param.author}"/>

<sql:setDataSourcevar="con" driver="com.mysql.jdbc.Driver" url="jdbc:mysql://localhost:3306/s2d130050131023" user="root" password=""/>

<sql:updatedataSource="${con}" var="count">

insert into bookinfo(id,bookname,author) values(?,?,?);

<sql:param value="${id}"/>

<sql:param value="${name}"/>

<sql:param value="${author}"/>

</sql:update>

<sql:querydataSource="${con}" var="rs">select \* from bookinfo;</sql:query>

<h1 align="center">Book Details</h1>

<table align="center" border="1">

<tr>

<th>Id</th>

<th>Book Name</th>

<th>Author</th>

</tr>

<c:forEachvar="row" items="${rs.rows}">

<tr>

<td><c:out value="${row.id}"/></td>

<td><c:out value="${row.bookname}"/></td>

<td><c:out value="${row.author}"/></td>

</tr>

</c:forEach>

</table>

</body>

</html>

**BookInfo.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form method="get" action="Practical11-1.jsp">

<h1 align="center">Book Entry Form</h1>

<table align="center">

<tr>

<td>Id:</td>

<td><input type="text" name="id" placeholder="id"></td>

</tr>

<tr>

<td>Book Name:</td>

<td><input type="text" name="bookname" placeholder="Book Name"></td>

</tr>

<tr>

<td>Author</td>

<td><input type="text" name="author" placeholder="Author name"/></td>

</tr>

<tr>

<td></td>

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

</tr>

</table>

</form>

</body>

</html>

**StudentInfo.jsp**

<%@page contentType="text/html" pageEncoding="UTF-8" import="java.util.\*"%>

<%@ tagliburi="http://java.sun.com/jsp/jstl/core" prefix="c"%>

<%@ tagliburi="http://java.sun.com/jsp/jstl/sql" prefix="sql"%>

<html>

<head>

<title>Info</title>

</head>

<body>

<sql:setDataSourcevar="con" driver="com.mysql.jdbc.Driver"

url="jdbc:mysql://localhost:3306/s2d130050131023"

user="root" password=""/>

<%

Date DoB = new Date("2001/09/12");

intstudentId = 103;

%>

<sql:updatedataSource="${con}" var="count">

UPDATE student SET dob = ? WHERE Id = ?

<sql:dateParam value="<%=DoB%>" type="DATE" />

<sql:param value="<%=studentId%>" />

</sql:update>

<sql:querydataSource="${con}" var="result">

SELECT \* from student;

</sql:query>

<table border="1">

<tr>

<th>Emp ID</th>

<th>First Name</th>

<th>Last Name</th>

<th>DoB</th>

</tr>

<c:forEachvar="row" items="${result.rows}">

<tr>

<td><c:out value="${row.id}"/></td>

<td><c:out value="${row.first}"/></td>

<td><c:out value="${row.last}"/></td>

<td><c:out value="${row.dob}"/></td>

</tr>

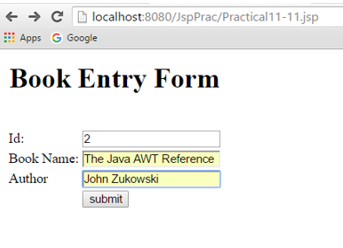
</c:forEach>

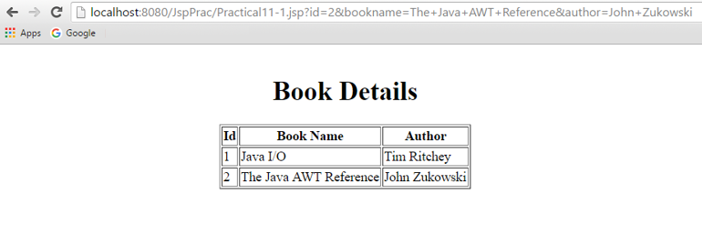
</table>

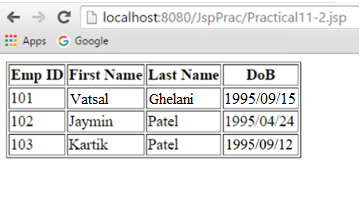
</body>

</html>

**Output:**

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