IT LAB ASSIGNMENT REPORT :8

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QUESTION 8:
Use JSP Database Connection: Select, Insert, Update & Delete and 'Connecting through an ODBC driver'.

SELECT:-

```
<%@ page import = "java.io.*,java.util.*,java.sql.*"%>
<%@ page import = "javax.servlet.http.*,javax.servlet.*" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix = "c"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix = "sql"%>
<html>
        <head>
                <title>SELECT Operation</title>
        </head>
<body>
        <sql:setDataSource var = "snapshot" driver = "com.mysql.jdbc.Driver"
                url = "jdbc:mysql://localhost/TEST"
                user = "root" password = "SiriPothumudi"/>
        <sql:query dataSource = "${snapshot}" var = "result">
SELECT * from Employees;
</sql:query>
<table border = "1" width = "100%">
        <tr>
                <th>id</th>
                <th>age</th>
                <th>first</th>
                <th>last</th>
        </tr>
<c:forEach var = "row" items = "${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.age}"/></td>
        </tr>
```

```
</c:forEach>
</table>
</body>
</html>
```

OUTPUT:

Database Result

Result:

id	age	first	last
8039	21	Sireesha	Pothumudi
8037	21	Avinash	Boppudi

INSERT:-

```
<%@ page import = "java.io.*,java.util.*,java.sql.*"%>
<%@ page import = "javax.servlet.http.*,javax.servlet.*" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix = "c"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix = "sql"%>
<html>
        <head>
                <title>JINSERT Operation</title>
        </head>
<body>
<sql:setDataSource var = "snapshot" driver = "com.mysql.jdbc.Driver"
                url = "jdbc:mysql://localhost/TEST"
                user = "root" password = "SiriPothumudi"/>
        <sql:update dataSource = "${snapshot}" var = "result">
INSERT INTO Employees VALUES (8055, 21, 'Jaya', 'Chandra');
        </sql:update>
        <sql:query dataSource = "${snapshot}" var = "result">
        SELECT * from Employees;
        </sql:query>
```

```
<table border = "1" width = "100%">
<tr>
        <th>id</th>
        <th>age</th>
        <th>first</th>
        <th>last</th>
</tr>
<c:forEach var = "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.age}"/></td>
</tr>
        </c:forEach>
        </table>
    </body>
</html>
```

OUTPUT:

Database Result

Result:

id	age	first	last
8039	21	Sireesha	Pothumudi
8037	21	Avinash	Boppudi
8055	21	Jaya	Chandra

UPDATE:-

```
<%@ page import = "java.io.*,java.util.*,java.sql.*"%>
<%@ page import = "javax.servlet.http.*,javax.servlet.*" %>
<%@ taglib uri = "http://java.sun.com/jsp/jstl/core" prefix = "c"%>
<%@ taglib uri = "http://java.sun.com/jsp/jstl/sql" prefix = "sql"%>
<html>
        <head>
                <title>UPDATE Operation</title>
        </head>
<body>
        <sql:setDataSource var = "snapshot" driver = "com.mysql.jdbc.Driver"
                url = "jdbc:mysql://localhost/TEST"
                user = "root" password = "SiriPothumudi"/>
                <c:set var = "id" value = "8039"/>
        <sql:update dataSource = "${snapshot}" var = "count">
UPDATE Employees SET WHERE last = 'Inturi'
        <sql:param value = "${empId}" />
        </sql:update>
        <sql:query dataSource = "${snapshot}" var = "result">
SELECT * from Employees;
</sql:query>
<table border = "1" width = "100%">
        <tr>
                <th>id</th>
                <th>age</th>
                <th>first</th>
                <th>last</th>
        </tr>
        <c:forEach var = "row" items = "${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.age}"/></td>
        </tr>
</c:forEach>
</table>
</body>
</html>
```

OUTPUT:

Database Result

Result:

id	age	first	last
8039	21	Sireesha	Pothumudi
8037	21	Avinash	Boppudi
8055	21	Jaya	Inturi

DELETE:-

```
<%@ page import = "java.io.*,java.util.*,java.sql.*"%>
<%@ page import = "javax.servlet.http.*,javax.servlet.*" %>
<%@ taglib uri="http://java.sun.com/jsp/jstl/core" prefix = "c"%>
<%@ taglib uri="http://java.sun.com/jsp/jstl/sql" prefix = "sql"%>
<html>
        <head>
                <title>DELETE Operation</title>
        </head>
<body>
        <sql:setDataSource var = "snapshot" driver = "com.mysql.jdbc.Driver"
                url = "jdbc:mysql://localhost/TEST"
                user = "root" password = "SiriPothumudi"/>
        <c:set var = "id" value = "8039"/>
        <sql:update dataSource = "${snapshot}" var = "count">
DELETE FROM Employees WHERE Id = ?
<sql:param value = "${empId}" />
        </sql:update>
        <sql:query dataSource = "${snapshot}" var = "result">
SELECT * from Employees;
</sql:query>
<table border = "1" width = "100%">
        <tr>
                <th>id</th>
                <th>age</th>
                <th>first</th>
```

```
                <th>last</th>
        </tr>
<c:forEach var = "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.age}"/></td>
        </tr>
</c:forEach>
</table>
</body>
</html>
```

OUTPUT:

Database Result

Result:

id	age	first	last
8037	21	Avinash	Boppudi
8055	21	Jaya	Inturi