**Practical 5**

**Aim:**

**5.5: Implement JavaScript with JSP (Complete DB Example)**

**Step 1:**Create employee form (EmployeeInformation.jsp).In this step first of all create Employee information form and retrieved employee id from database using with JDBC database.  
 **Step 2 :** Create "ProcessAction.jsp"  for Process the Data and forward  according to user requirement.In this step first of all we will create ProcessAction.jsp for getting all string value using with getParameter() method and forward on different page like JSPInsertAction.jsp, ClearAction.jsp,andupdate.jsp.  
 **Step 3:** Create data insert action page ("JSPInsertAction.jsp"). This code using for insert data into database by using JDBC database. When you will select same employee id and employee name then massage will display employee id already exit in database.  
  
**Step 4:** Create data deletion code from database ("ClearAction.jsp").In this step you will create code to delete data from database. When,  you will select employee id and employee name then select delete radio button after selecting delete radio button when you will click on submit button then data will successfully delete from database.  
  
**Step 5:** Create update data code ("update.jsp").In this step you will create, modify data in database by using JDBC database.

**Program code:**

**employee.java**

**import** java**.**sql**.\*;**

**import** java**.**util**.\*;**

class employee**{**

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

Connection con**=null;**

Statement stmt**=null;**

**try{**

Class**.**forName**(**"com.mysql.jdbc.Driver"**);**

con**=**DriverManager**.**getConnection**(**"jdbc:mysql://localhost:3306/test"**,**"root"**,**"root"**);**

stmt**=**con**.**createStatement**();**

String query**=**"create table employee(id Integer,emp\_name varchar(30));"**;**

stmt**.**executeUpdate**(**query**);**

System**.**out**.**println**(**"Table Created....!!!"**);**

**}catch(**Exception e**){}**

**}**

**}**

**EmployeeInformation.jsp**

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.ResultSet"%>

<%@page import="java.sql.Statement"%>

<%@page import="java.sql.Connection"%>

<%@page import="java.util.Date"%>

<%@ page language="java" contentType="text/html"%>

<!DOCTYPE html">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html">

<title>Employee Info</title>

<style type="text/css">

.container{

background-color: #FEC0CC;

margin: 0px 150px 150px 150px;

border: 2px;

position: relative;}

.inside{

background-color: #AED8E6;

margin: 20px 0px 0px 0x;

border: 5px;

text-indent: 10 px;

padding: 10px;

font-family: monospace;

font-weight: bold;

}

.font{

margin: 10px;

font-family: monospace;

font-weight: bold;}

h2,p{

text-align: center;}

</style>

<script type="text/javascript">

function fun() {

var selectBox = document.getElementById("selectBox");

var selectedValue = selectBox.options[selectBox.selectedIndex].value;

var x = document.getElementsByName("id");

var i;

for (i = 0; i < x.length; i++) {

if (x[i].type == "text") {

x[i].value = selectedValue;

}

}

}

</script>

</head>

<body>

<div class="container">

<h2>EMPLOYEE INFORMATION</h2>

<p class="font">130050131047</p>

<div class="inside">

<form action="ProccessAction.jsp" name="form1">

Enter Employee id: <input type="text" name="id" value=""/>

<select id="selectBox" onchange="fun();">

<%final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

final String DB\_URL = "jdbc:mysql://localhost:3306/test”;

final String USER = "root";

final String PASS = "root";

Connection conn;

Statement stmt;

ResultSet rs = null;

Class.forName(JDBC\_DRIVER);

conn = DriverManager.getConnection(DB\_URL, USER, PASS);

stmt = conn.createStatement();

String sql = "select id from employee";

rs = stmt.executeQuery(sql);

while (rs.next()) {%>

<option class= "font" value="<%out.print(rs.getInt(1)); %>"><%out.print(rs.getInt(1)); %></option>

<%} %>

</select><br />

Enter Employee Name: <input type="text" name="emp\_name" /><br />

<input class="font" type="radio" name="selection" value="insert" > Insert<br/>

<input class="font" type="radio" name="selection" value="modify">modify<br />

<input class="font" type="radio" name="selection" value="delete">delete<br />

<input class="font" type="submit"> <input type="reset">

</form>

</div>

</div>

</body>

</html>

**JspInsetAction.jsp**

<%@page import="java.sql.SQLException"%>

<%@page import="java.sql.SQLClientInfoException"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Statement"%>

<%@page import="java.sql.Connection"%>

<%@ page language="java" contentType="text/html"%>

<!DOCTYPE html">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html">

<title>Insert Page</title>

</head>

<body>

<script>

<%final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

final String DB\_URL = "jdbc:mysql://localhost/test";

final String USER = "root";

final String PASS = "root";

Connection conn;

Statement stmt;

Class.forName(JDBC\_DRIVER);

conn = DriverManager.getConnection(DB\_URL, USER, PASS);

stmt = conn.createStatement();

String sql = "insert into employee values("+session.getAttribute("id")+",'"+session.getAttribute("name")+"')";

int i=0;

try{

i=stmt.executeUpdate(sql);

}catch (SQLException e){

e.printStackTrace();

i=0;

}

if(i==1)

{

%>alert("Inserted successfully");<%} else { %>alert("Insert Failed!! ID already exists");<%} %>

</script>

</body>

</html>

**ProcessAction.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>Insert title here</title>

</head>

<body>

<% String name, id,choice;

name = request.getParameter("emp\_name");

id=request.getParameter("id");

session.setAttribute("id", id);

session.setAttribute("name", name);

choice=request.getParameter("selection");

if(choice.equals("insert"))

response.sendRedirect("JspInsertAction.jsp");

if(choice.equals("modify"))

response.sendRedirect("Update.jsp");

if(choice.equals("delete"))

response.sendRedirect("Clear.jsp");

%>

</body>

</html>

**Update.jsp**

<%@page import="java.sql.SQLException"%>

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Statement"%>

<%@page import="java.sql.Connection"%>

<%@ 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>Update page</title>

</head>

<body>

<%final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

final String DB\_URL = "jdbc:mysql://localhost/test";

final String USER = "root";

final String PASS = "root";

Connection conn;

Statement stmt;

Class.forName(JDBC\_DRIVER);

conn = DriverManager.getConnection(DB\_URL, USER, PASS);

stmt = conn.createStatement();

String sql = "update employee set name='"+session.getAttribute("name")+"' where id="+session.getAttribute("id");

int i=1;

try{

i=stmt.executeUpdate(sql);

}catch(Exception e){

i=0;

}

if(i==1)

{

%> <script>alert("Modified Successfully");</script><%} else { %><script>alert("ID does not exist");</script><%} %>

</body>

</html>

**Clear.jsp**

<%@page import="java.sql.DriverManager"%>

<%@page import="java.sql.Statement"%>

<%@page import="java.sql.Connection"%>

<%@ 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>Delete Page</title>

</head>

<body>

<script>

<%final String JDBC\_DRIVER = "com.mysql.jdbc.Driver";

final String DB\_URL = "jdbc:mysql://localhost/test";

final String USER = "root";

final String PASS = "root";

Connection conn;

Statement stmt;

Class.forName(JDBC\_DRIVER);

conn = DriverManager.getConnection(DB\_URL, USER, PASS);

stmt = conn.createStatement();

String sql = "delete from employee where id="+session.getAttribute("id");

int i;

try{

i=stmt.executeUpdate(sql);

}catch (Exception e){

i=0;

}

if(i==1)

{

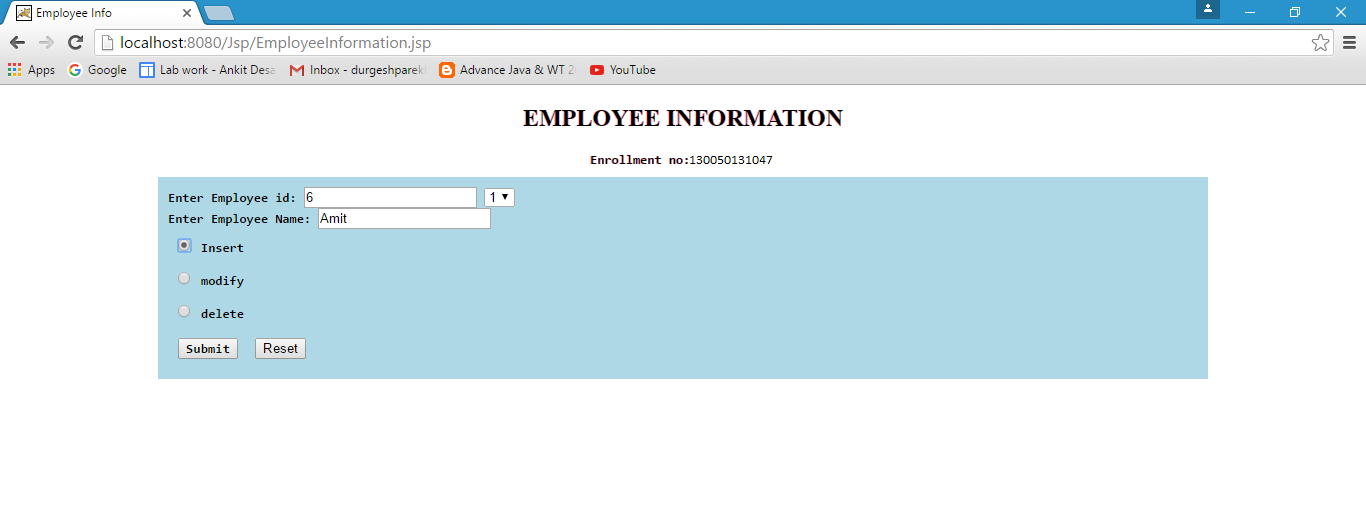
%>alert("Deleted Successfully");<%} else { %>alert("Deletion failed!!! ID DOES NOT EXIST");<%} %>

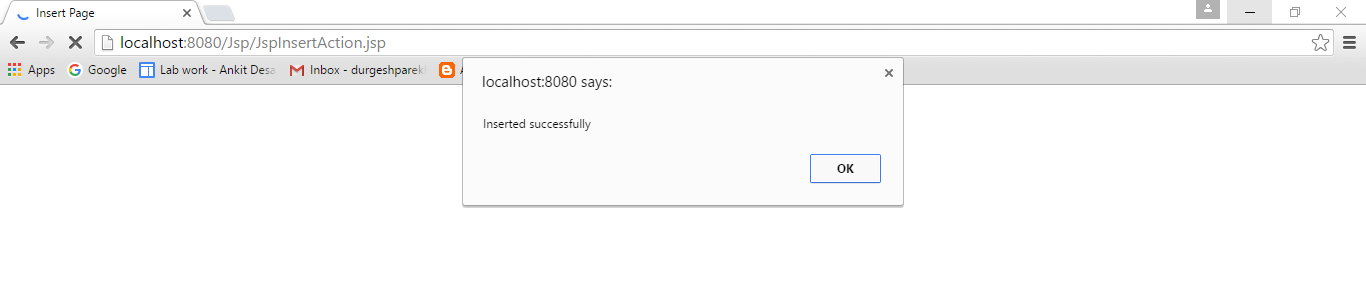
</script>

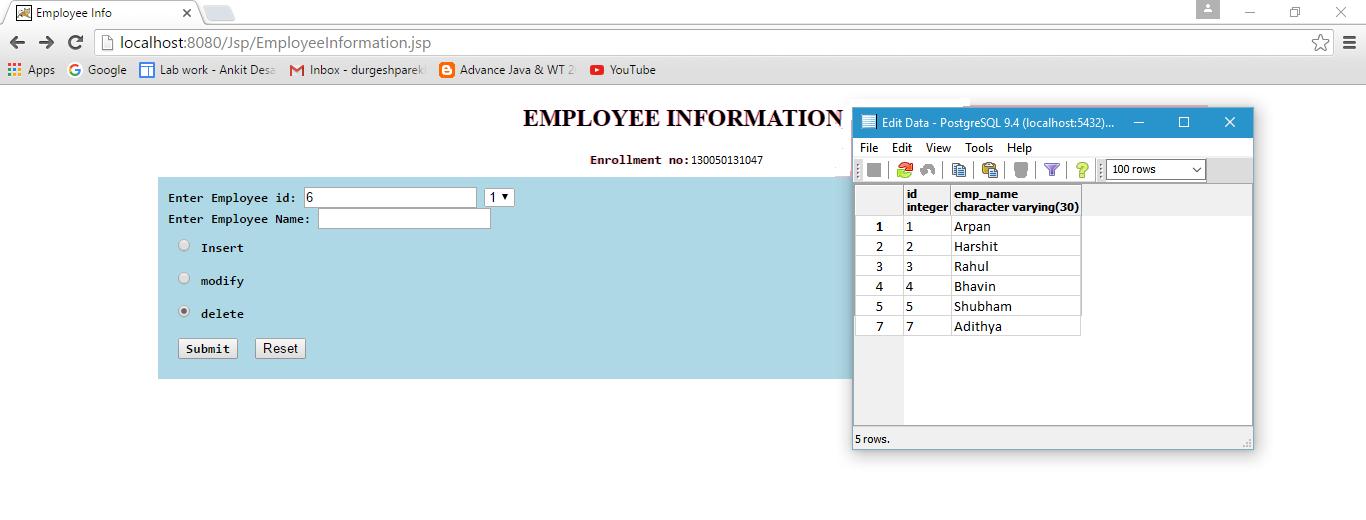
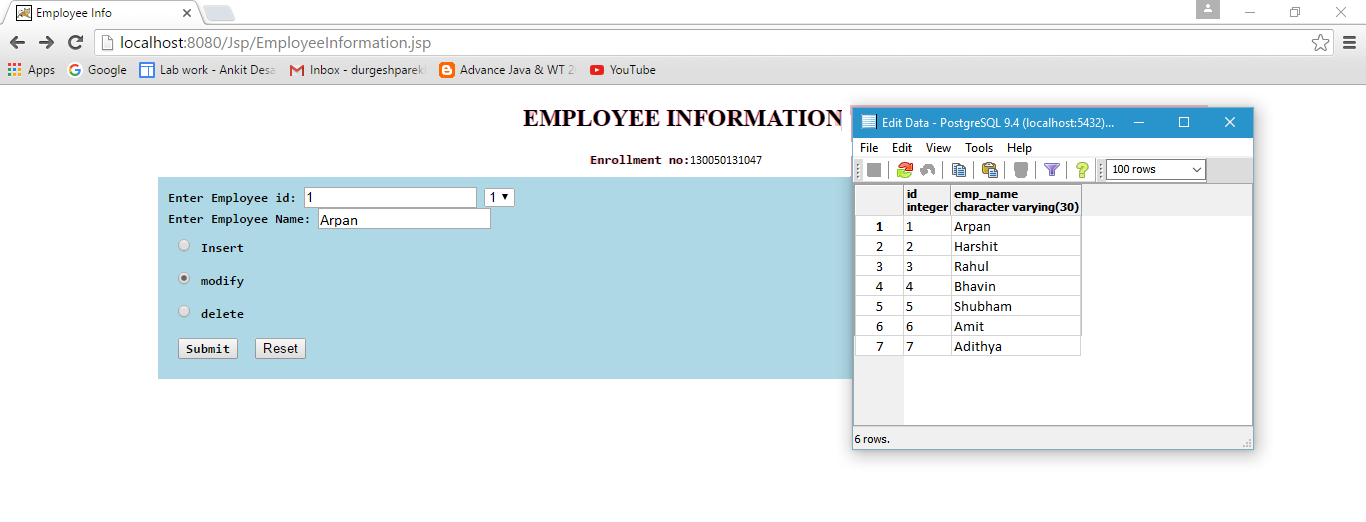
</body>

</html>

**Output:**

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