

Lab.3

Write an application using GUI for registration. In first form user will enter the data for registration like

(Name, Birthdate, Email_id, Phone_No). On clicking on submit button data will be inserted into database

and user will be redirected to another form. In this form data will be selected from database and displayed

in proper format.

Index.html

```
<!DOCTYPE html>

<html>

<head>

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

<title>RegistrationNew</title>

</head>

<body>

<form action="/Practical3/Servlet_1" method="post">

<input type="text" name="userName" placeholder="Enter Name" maxlength="15"></br>

<input type="text" name="birthDate" placeholder="DOB" maxlength="10"></br>

<input type="text" name="emailId" placeholder="Email Id" maxlength="15"></br>

<input type="text" name="contactNo" placeholder="Contact No." maxlength="10"></br>

<input type="submit" value="Register">

<input type="reset" value="Candle">

</form>

</body>

</html>
```

servlet1:

```
import java.io.IOException;

import java.io.PrintWriter;
```

```
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.SQLException;

import java.sql.Statement;


import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


/**
 * Servlet implementation class Servlet_1
 */
@WebServlet("/Servlet_1")
public class Servlet_1 extends HttpServlet {
    private static final long serialVersionUID = 1L;


    /**
     * @see HttpServlet#HttpServlet()
     */
    public Servlet_1() {
        super();
        // TODO Auto-generated constructor stub
    }


    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
        ServletException,
```

```

IOException {

// TODO Auto-generated method stub

//response.getWriter().append("Served at: ").append(request.getContextPath());

//process(request, response);

}

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException,
IOException {

// TODO Auto-generated method stub

//doGet(request, response);

process(request, response);

}

void process(HttpServletRequest request,HttpServletResponse response) throws
ServletException,IOException
{

String userName= request.getParameter("userName");

String birthDate= request.getParameter("birthDate");

String emailId= request.getParameter("emailId");

String contactNo = request.getParameter("contactNo");


PrintWriter out = response.getWriter();

try
{

DriverManager.registerDriver(new com.mysql.jdbc.Driver());

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/ajp","ajp","ajp");

```

```

Statement stm = con.createStatement();

String query = "insert into user

value('"+userName+"','"+birthDate+"','"+emailId+"','"+contactNo+"')";

if (stm.executeUpdate(query)>0) {
response.sendRedirect("/Practical3/Servlet_2");
}
else {
out.println("<font color='#e00'>Unable to Enter Data</font>");
}
stm.close();
con.close();
}
catch (SQLException e) {
// TODO: handle exception
out.println("<font color='#e00'>Errore:"+e.getMessage()+"</font>");
}
}

}

```

Servlet2:

```

import java.io.IOException;
import java.io.PrintWriter;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.ResultSetMetaData;
import java.sql.SQLException;

```

```
import java.sql.Statement;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 * Servlet implementation class Servlet_2
 */
@WebServlet("/Servlet_2")
public class Servlet_2 extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public Servlet_2() {
        super();
        // TODO Auto-generated constructor stub
    }

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response) throws
        ServletException,
        IOException {

        // TODO Auto-generated method stub
    }
}
```

```

//response.getWriter().append("Served at: ").append(request.getContextPath());
process(request,response);

}

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException,
IOException {

// TODO Auto-generated method stub
//doGet(request, response);
process(request,response);
}

void process(HttpServletRequest request, HttpServletResponse response) throws ServletException,
IOException
{
response.setContentType("text/html");
PrintWriter out = response.getWriter();
try
{
DriverManager.registerDriver(new com.mysql.jdbc.Driver());
Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/ajp","ajp","ajp");
Statement stm = con.createStatement();
ResultSet rs = stm.executeQuery("Select * From user");
ResultSetMetaData rsmd = (ResultSetMetaData)rs.getMetaData();
out.println("<a href='/Practical3/'>Add New User !</a>");
out.println("<table align='center' border=2>");
out.println("<tr>");
for(int i=1;i<=rsmd.getColumnCount();i++)

```

```
{
    out.println("<th>" + rsmd.getColumnName(i).toUpperCase() + "</th>");
}

    out.println("</tr>");
    while (rs.next()) {
        out.println("<tr>");
        out.println("<td>" + rs.getString(1) + "</td>");
        out.println("<td>" + rs.getString(2) + "</td>");
        out.println("<td>" + rs.getString(3) + "</td>");
        out.println("<td>" + rs.getString(4) + "</td>");
        out.println("</tr>");
    }
    out.println("</table>");
    rs.close();
    stm.close();
    con.close();
}

    catch (SQLException e) {
        // TODO: handle exception
        out.println(e.getMessage());
    }
}

}
```