**index.html**

<html>

<body>

<form action="login " method="post">

<label>Enter username:

<input type="text" name="t1">

</label>

<br>

<label>Enter password:

<input type="text" name="t2">

</label>

<input type="submit" value=”login”>

</form>

</body>

</html>

**error.jsp**

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

<html>

<body>

<c:out value ="Login failed"/>

</body>

</html>

**success.jsp**

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

<html>

<body>

<c:out value ="Login success"/>

</body>

</html>

**web.xml**

<web-app>

<servlet>

<servlet-name>loginServlet</servlet-name>

<servlet-class>loginController</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>loginServlet</servlet-name>

<url-pattern>/login</url-pattern>

</servlet-mapping>

</web-app>

**loginController.java**

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

import java.sql.\*;

import Bean.userBean;

import DAO.userDAO;

public class loginController extends HttpServlet{

public void doPost(HttpServletRequest request, HttpServletResponse response)

throws IOException, ServletException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String u\_str=request.getParameter("t1");

String p\_str=request.getParameter("t2");

//prepare the bean

userBean usr = new userBean();

usr.set\_u(u\_str);

usr.set\_p(p\_str);

//call auth in userDAO

userDAO dao=new userDAO();

int i=dao.auth(usr);

if(i==1)

request.getRequestDispatcher("success.jsp").forward(request,response);

else if(i==0)

request.getRequestDispatcher("error.jsp").forward(request,response);

else if(i==-1)

request.getRequestDispatcher("new\_error.jsp").forward(request,response);

//out.println("i val: "+i);

}

}

**userBean.java**

package Bean;

public class userBean

{

private String u,p;

public void set\_u(String u\_str)

{

this.u=u\_str;

}

public void set\_p(String p\_str)

{

this.p=p\_str;

}

public String get\_u()

{

return this.u;

}

public String get\_p()

{

return this.p;

}

}

**userDAO.java**

package DAO;

import Bean.userBean;

import java.sql.\*;

public class userDAO{

Connection con;

Statement stmt;

ResultSet rs;

String sql;

int flag=0;

public int auth(userBean l)

{

String usr=l.get\_u();

String pwd=l.get\_p();

final String DB\_URL ="jdbc:mysql://localhost/test1";

final String USER = "root";

final String PASS ="vaishu";

try{

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

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

sql="select \* from users";

stmt=con.createStatement();

rs = stmt.executeQuery(sql);

while(rs.next())

{

if(usr.equals(rs.getString(1)) && pwd.equals(rs.getString(2)) )

flag=1; //return 1;

}

}catch(ClassNotFoundException ex){ }

// out.println("<p>class error"+ex.getMessage()+"</p>");

catch(SQLException ex){ }

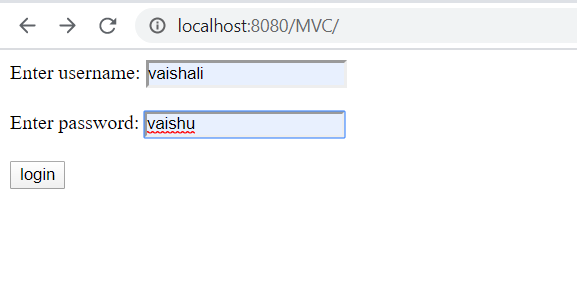
// out.println("<p>sql error"+ex.getMessage()+"</p>");

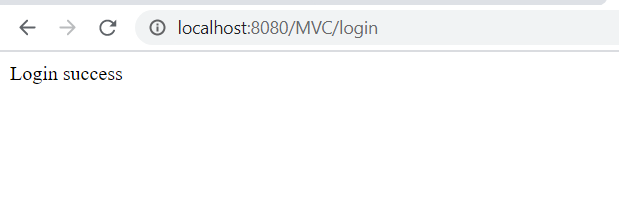
return flag;

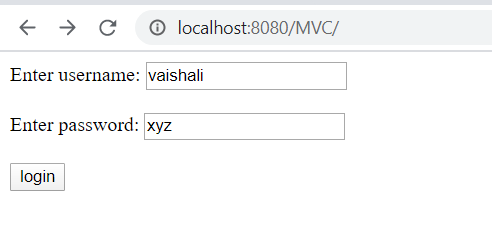
}

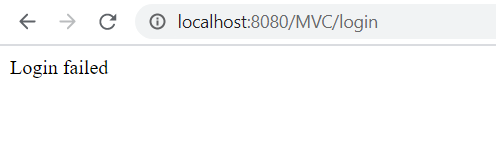
}

**OUTPUT:**

****

****

****

****

**index.html**

<html>

<body>

<form method="GET" action="generate">

<fieldset> <legend>Marklist Generation </legend>

Enter Roll No

<input type="text" name="t1">

<br><br>

<input type="submit" value="Generate Marklist">

</fieldset>

</form>

<br>

<form method="GET" action="insert">

<fieldset> <legend>Create Operation </legend>

<input type="radio" name="table\_name" value="student">Student

<input type="radio" name="table\_name" value="marks">Marks

<br>

Enter Roll No <input type="text" name="t2"><br><br>

Enter Name <input type="text" name="t0"><br><br>

Enter Marks in CS8601 <input type="text" name="t3"><br><br>

Enter Marks in CS8602 <input type="text" name="t4"><br><br>

Enter Marks in CS8603 <input type="text" name="t5"><br><br>

Enter Marks in CS8651 <input type="text" name="t6"><br><br>

Enter Marks in CS8691 <input type="text" name="t7"><br><br>

Enter Marks in CS8075 <input type="text" name="t8"><br><br>

<input type="submit" value="Insert record">

</fieldset>

</form>

<br>

<form method="GET" action="delete">

<fieldset> <legend>Remove operation</legend>

Enter Roll No <input type="text" name="t8">

<input type="submit" value="Delete record">

</fieldset>

</form>

<br><br>

<form method="GET" action="update">

<fieldset> <legend>Update operation</legend>

<input type="radio" name="tbl\_name" value="student">Student

<input type="radio" name="tbl\_name" value="marks">Marks

<br>

Enter Roll No <input type="text" name="t9"><br><br>

Enter Name <input type="text" name="t10"><br><br>

Enter Marks in CS8601 <input type="text" name="t11"><br><br>

Enter Marks in CS8602 <input type="text" name="t12"><br><br>

Enter Marks in CS8603 <input type="text" name="t13"><br><br>

Enter Marks in CS8651 <input type="text" name="t14"><br><br>

Enter Marks in CS8691 <input type="text" name="t15"><br><br>

Enter Marks in CS8075 <input type="text" name="t16"><br><br>

<input type="submit" value="Update Record">

</fieldset>

</form>

<br><br>

<form method="GET" action="list">

<fieldset> <legend>Display operation</legend>

<input type="submit" value="View Database">

</fieldset>

</form>

</body>

</html>

**web.xml**

<web-app>

<servlet>

<servlet-name>gen</servlet-name>

<servlet-class>GenerateServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>gen</servlet-name>

<url-pattern>/generate</url-pattern>

</servlet-mapping>

<servlet>

<servlet-name>ins</servlet-name>

<servlet-class>CreateServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>ins</servlet-name>

<url-pattern>/insert</url-pattern>

</servlet-mapping>

<servlet>

<servlet-name>del</servlet-name>

<servlet-class>RemoveServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>del</servlet-name>

<url-pattern>/delete</url-pattern>

</servlet-mapping>

<servlet>

<servlet-name>upd</servlet-name>

<servlet-class>UpdateServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>upd</servlet-name>

<url-pattern>/update</url-pattern>

</servlet-mapping>

<servlet>

<servlet-name>lis</servlet-name>

<servlet-class>DisplayServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>lis</servlet-name>

<url-pattern>/list</url-pattern>

</servlet-mapping>

</web-app>

**CreateServlet.java**

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

import java.sql.\*;

public class CreateServlet extends HttpServlet

{

String regno,c,s,name;

int m1,m2,m3,m4,m5,m6,i,j;

public void doGet(HttpServletRequest req,HttpServletResponse res)

throws ServletException,IOException

{

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

try{

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

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

String table\_name = req.getParameter("table\_name");

if (table\_name.equals("student"))

{

regno = req.getParameter("t2");

name = req.getParameter("t0");

PreparedStatement ps1 = con.prepareStatement("INSERT INTO student values(?,?);");

ps1.setString(1,regno);

ps1.setString(2,name);

j=ps1.executeUpdate();

}

else if (table\_name.equals("marks"))

{

regno = req.getParameter("t2");

m1 = Integer.parseInt(req.getParameter("t3"));

m2 = Integer.parseInt(req.getParameter("t4"));

m3 = Integer.parseInt(req.getParameter("t5"));

m4 = Integer.parseInt(req.getParameter("t6"));

m5 = Integer.parseInt(req.getParameter("t7"));

m6 = Integer.parseInt(req.getParameter("t8"));

PreparedStatement ps2 = con.prepareStatement("INSERT INTO marks values(?,?,?,?,?,?,?);");

ps2.setString(1,regno);

ps2.setInt(2,m1);

ps2.setInt(3,m2);

ps2.setInt(4,m3);

ps2.setInt(5,m4);

ps2.setInt(6,m5);

ps2.setInt(7,m6);

j=ps2.executeUpdate();

}

if(j==1)

pw.println("<p>Record inserted</p>");

else

pw.println("<p>Record not inserted</p>");

pw.println("<html>");

pw.println("<body>");

if (table\_name.equals("student"))

{

PreparedStatement ps = con.prepareStatement("SELECT \* FROM student");

ResultSet rs = ps.executeQuery();

pw.println("<h2>Student Details after insertion</h2><br>");

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Roll No</th><th>Name</th></tr>");

while (rs.next())

{

regno=rs.getString("reg\_no");

name=rs.getString("name");

pw.println("<tr><td>"+regno+"</td><td>"+name+"</td></tr>");

}

pw.println("</table>");

pw.println("<br><br>");

}

else{

PreparedStatement ps3 = con.prepareStatement("SELECT \* FROM marks");

ResultSet rs1 = ps3.executeQuery();

pw.println("<h2>Marks Details after insertion</h2><br>");

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Reg No</th><th>CS8601</th><th>CS8602</th><th>CS8603</th><th>CS8651</th><th>CS8691</th><th>CS8075</th></tr>");

while (rs1.next())

{

regno=rs1.getString("reg\_no");

m1=rs1.getInt(2);

m2=rs1.getInt(3);

m3=rs1.getInt(4);

m4=rs1.getInt(5);

m5=rs1.getInt(6);

m6=rs1.getInt(7);

pw.println("<tr><td>"+regno+"</td><td>"+m1+"</td><td>"+m2+"</td><td>"+m3+"</td><td>"+m4+"</td><td>"+m5+"</td><td>"+m6+"</td></tr>");

}

pw.println("</table>");

pw.println("<br><br>");

}

pw.println("</body>");

pw.println("</html>");

con.close();

}catch (Exception e)

{pw.println("Error!");}

}

}

**DisplayServlet.java**

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

import java.sql.\*;

public class DisplayServlet extends HttpServlet

{

String c,s,name,regno;

int s1,s2,s3,s4,s5,s6;

public void doGet(HttpServletRequest req,HttpServletResponse res)

throws ServletException,IOException

{

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

try{

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

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

pw.println("<html>");

pw.println("<body>");

PreparedStatement ps = con.prepareStatement("SELECT \* FROM student");

ResultSet rs = ps.executeQuery();

pw.println("<h2>Student Details</h2><br>");

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Roll No</th><th>Name</th></tr>");

while (rs.next())

{

regno=rs.getString("reg\_no");

name=rs.getString("name");

pw.println("<tr><td>"+regno+"</td><td>"+name+"</td></tr>");

}

pw.println("</table>");

pw.println("<br>");

PreparedStatement ps3 = con.prepareStatement("SELECT \* FROM marks");

ResultSet rs1 = ps3.executeQuery();

pw.println("<h2>Marks Details</h2><br>");

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Reg No</th><th>CS8601</th><th>CS8602</th><th>CS8603</th><th>CS8651</th><th>CS8691</th><th>CS8075</th></tr>");

while (rs1.next())

{

regno=rs1.getString("reg\_no");

s1=rs1.getInt(2);

s2=rs1.getInt(3);

s3=rs1.getInt(4);

s4=rs1.getInt(5);

s5=rs1.getInt(6);

s6=rs1.getInt(7);

pw.println("<tr><td>"+regno+"</td><td>"+s1+"</td><td>"+s2+"</td><td>"+s3+"</td><td>"+s4+"</td><td>"+s5+"</td><td>"+s6+"</td></tr>");

}

pw.println("</table>");

pw.println("<br>");

PreparedStatement ps4 = con.prepareStatement("SELECT \* FROM mapping");

ResultSet rs2 = ps4.executeQuery();

pw.println("<h2>Course Details</h2><br>");

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Subject Code</th><th>Subject Name</th></tr>");

while (rs2.next())

{

c=rs2.getString("code");

s=rs2.getString("sub");

pw.println("<tr><td>"+c+"</td><td>"+s+"</td></tr>");

}

pw.println("</table>");

pw.println("</body>");

pw.println("</html>");

con.close();}

catch (Exception e)

{pw.println("Error!");}

}

}

**GenerateServlet.java**

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

import java.sql.\*;

public class GenerateServlet extends HttpServlet

{

int i=0;

int marks[];

String regno,c,s;

ResultSet rs1,rs2;

Connection con ;

public void doGet(HttpServletRequest req,HttpServletResponse res)

throws ServletException,IOException

{

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

try{

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

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

PreparedStatement ps1 = con.prepareStatement("SELECT \* FROM student WHERE reg\_no=?");

regno = req.getParameter("t1");

ps1.setString(1,regno);

rs1 = ps1.executeQuery();

pw.println("<html>");

pw.println("<body>");

pw.println("<h2>MarkList</h2><br>");

rs1.next();

pw.print("<h3>Roll number: "+rs1.getString(1)+"</h3>"+" ");

pw.println("<h3>Name: "+rs1.getString(2)+"</h3><br><br>");

PreparedStatement ps2 = con.prepareStatement("SELECT \* FROM marks WHERE reg\_no=?");

ps2.setString(1,regno);

rs2 = ps2.executeQuery();

rs2.next();

marks = new int[6];

marks[0] = rs2.getInt(2);

marks[1] = rs2.getInt(3);

marks[2] = rs2.getInt(4);

marks[3] = rs2.getInt(5);

marks[4] = rs2.getInt(6);

marks[5] = rs2.getInt(7);

PreparedStatement ps3 = con.prepareStatement("SELECT \* FROM mapping");

ResultSet rs3 = ps3.executeQuery();

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Subject Code</th><th>Subject Name</th><th>Marks</th></tr>");

while (rs3.next())

{

//pw.println("marsddk"+marks[0]);

c=rs3.getString("code");

s=rs3.getString("sub");

pw.println("<tr><td>"+c+"</td><td>"+s+"</td><td>"+marks[i]+"</td></tr>");

i++;

}

pw.println("</table>");

pw.println("</body>");

pw.println("</html>");

con.close();

}

catch (Exception e) {pw.println("Erroreee!"+e);}

}

}

**RemoveServlet.java**

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

import java.sql.\*;

public class RemoveServlet extends HttpServlet

{

String c,s,name,regno;

int m1,m2,m3,m4,m5,m6,i,j;

public void doGet(HttpServletRequest req,HttpServletResponse res)

throws ServletException,IOException

{

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

try{

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

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

regno = req.getParameter("t8");

PreparedStatement ps1 = con.prepareStatement("DELETE FROM student WHERE reg\_no=?;");

ps1.setString(1,regno);

i=ps1.executeUpdate();

PreparedStatement ps2 = con.prepareStatement("DELETE FROM marks WHERE reg\_no=?;");

ps2.setString(1,regno);

j=ps2.executeUpdate();

if(j!=1) pw.println("Mark not deleted");

if(i==1 && j==1)

pw.println("<p>Record deleted</p>");

else

pw.println("<p>Record not deleted</p>");

pw.println("<html>");

pw.println("<body>");

PreparedStatement ps = con.prepareStatement("SELECT \* FROM student");

ResultSet rs = ps.executeQuery();

pw.println("<h2>Student Details after deletion</h2><br>");

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Roll No</th><th>Name</th></tr>");

while (rs.next())

{

regno=rs.getString("reg\_no");

name=rs.getString("name");

pw.println("<tr><td>"+regno+"</td><td>"+name+"</td></tr>");

}

pw.println("</table>");

pw.println("<br><br>");

PreparedStatement ps3 = con.prepareStatement("SELECT \* FROM marks");

ResultSet rs1 = ps3.executeQuery();

pw.println("<h2>Marks Details after deletion</h2><br>");

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Reg No</th><th>CS8601</th><th>CS8602</th><th>CS8603</th><th>CS8651</th><th>CS8691</th><th>CS8075</th></tr>");

while (rs1.next())

{

regno=rs1.getString("reg\_no");

m1=rs1.getInt(2);

m2=rs1.getInt(3);

m3=rs1.getInt(4);

m4=rs1.getInt(5);

m5=rs1.getInt(6);

m6=rs1.getInt(7);

pw.println("<tr><td>"+regno+"</td><td>"+m1+"</td><td>"+m2+"</td><td>"+m3+"</td><td>"+m4+"</td><td>"+m5+"</td><td>"+m6+"</td></tr>");

}

pw.println("</table>");

pw.println("<br><br>");

pw.println("</body>");

pw.println("</html>");

con.close();

}catch (Exception e)

{pw.println("Errorrrr!"+e.getMessage());}

}

}

**UpdateServlet.java**

import javax.servlet.http.\*;

import javax.servlet.\*;

import java.io.\*;

import java.sql.\*;

public class UpdateServlet extends HttpServlet

{

String c,s,name,regno;

int s1,s2,s3,s4,s5,s6,i,j;

public void doGet(HttpServletRequest req,HttpServletResponse res)

throws ServletException,IOException

{

res.setContentType("text/html");

PrintWriter pw=res.getWriter();

try{

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

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

String table\_name = req.getParameter("tbl\_name");

if (table\_name.equals("student"))

{

regno = req.getParameter("t9");

name = req.getParameter("t10");

PreparedStatement ps1 = con.prepareStatement("UPDATE student SET name=? WHERE reg\_no=?;");

ps1.setString(1,name);

ps1.setString(2,regno);

j=ps1.executeUpdate();

}

else if (table\_name.equals("marks"))

{

regno = req.getParameter("t9");

s1 = Integer.parseInt(req.getParameter("t11"));

s2 = Integer.parseInt(req.getParameter("t12"));

s3 = Integer.parseInt(req.getParameter("t13"));

s4 = Integer.parseInt(req.getParameter("t14"));

s5 = Integer.parseInt(req.getParameter("t15"));

s6 = Integer.parseInt(req.getParameter("t16"));

PreparedStatement ps2 = con.prepareStatement("UPDATE marks SET sub1=?,sub2=?,sub3=?,sub4=?,sub5=?,sub6=? WHERE reg\_no=?;");

ps2.setInt(1,s1);

ps2.setInt(2,s2);

ps2.setInt(3,s3);

ps2.setInt(4,s4);

ps2.setInt(5,s5);

ps2.setInt(6,s6);

ps2.setString(7,regno);

j=ps2.executeUpdate();

}

if(j==1)

pw.println("<p>Record updated</p>");

else

pw.println("<p>Record not updated</p>");

pw.println("<html>");

pw.println("<body>");

if (table\_name.equals("student"))

{

PreparedStatement ps = con.prepareStatement("SELECT \* FROM student");

ResultSet rs = ps.executeQuery();

pw.println("<h2>Student Details after updation</h2><br>");

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Roll No</th><th>Name</th></tr>");

while (rs.next())

{

regno=rs.getString("reg\_no");

name=rs.getString("name");

pw.println("<tr><td>"+regno+"</td><td>"+name+"</td></tr>");

}

pw.println("</table>");

pw.println("<br><br>");

}

else{

PreparedStatement ps3 = con.prepareStatement("SELECT \* FROM marks");

ResultSet rs1 = ps3.executeQuery();

pw.println("<h2>Marks Details after updation</h2><br>");

pw.println("<table border='5px' cellspacing='2px' cellpadding='1px'>");

pw.println("<tr><th>Reg No</th><th>CS8601</th><th>CS8602</th><th>CS8603</th><th>CS8651</th><th>CS8691</th><th>CS8075</th></tr>");

while (rs1.next())

{

regno=rs1.getString("reg\_no");

s1=rs1.getInt(2);

s2=rs1.getInt(3);

s3=rs1.getInt(4);

s4=rs1.getInt(5);

s5=rs1.getInt(6);

s6=rs1.getInt(7);

pw.println("<tr><td>"+regno+"</td><td>"+s1+"</td><td>"+s2+"</td><td>"+s3+"</td><td>"+s4+"</td><td>"+s5+"</td><td>"+s6+"</td></tr>");

}

pw.println("</table>");

pw.println("<br><br>");

}

pw.println("</body>");

pw.println("</html>");

con.close();}

catch (Exception e)

{pw.println("Error updating!"+e);}

}

}

**OUTPUT:**

