**Emp.java**

package com.cdac.model;

public class Emp{

private int id;

private String name, password, email, country;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getPassword() {

return password;

}

public void setPassword(String password) {

this.password = password;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public String getCountry() {

return country;

}

public void setCountry(String country) {

this.country = country;

}

}

**EmpDao.java**

package com.cdac.dao;

import java.util.\*;

import com.cdac.model.Emp;

import java.sql.\*;

public class EmpDao {

static Connection con;

public static Connection getConnection() {

Connection con = null;

try {

// load the driver

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

// create the connection

String user = "root";

String password = "cdac";

String url = "jdbc:mysql://localhost:3306/pune";

con = DriverManager.getConnection(url, user, password);

} catch (Exception e) {

System.out.println(e);

}

return con;

}

public static int save(Emp e) {

int status = 0;

try {

Connection con = EmpDao.getConnection();

PreparedStatement ps = con

.prepareStatement("insert into user2(name,password,email,country) values (?,?,?,?)");

ps.setString(1, e.getName());

ps.setString(2, e.getPassword());

ps.setString(3, e.getEmail());

ps.setString(4, e.getCountry());

status = ps.executeUpdate();

con.close();

} catch (Exception ex) {

ex.printStackTrace();

}

return status;

}

public static int update(Emp e) {

int status = 0;

try {

Connection con = EmpDao.getConnection();

PreparedStatement ps = con

.prepareStatement("update user2 set name=?,password=?,email=?,country=? where id=?");

ps.setString(1, e.getName());

ps.setString(2, e.getPassword());

ps.setString(3, e.getEmail());

ps.setString(4, e.getCountry());

ps.setInt(5, e.getId());

status = ps.executeUpdate();

con.close();

} catch (Exception ex) {

ex.printStackTrace();

}

return status;

}

public static int delete(int id) {

int status = 0;

try {

Connection con = EmpDao.getConnection();

PreparedStatement ps = con.prepareStatement("delete from user2 where id=?");

ps.setInt(1, id);

status = ps.executeUpdate();

con.close();

} catch (Exception e) {

e.printStackTrace();

}

return status;

}

public static Emp getEmployeeById(int id) {

Emp e = new Emp();

try {

Connection con = EmpDao.getConnection();

PreparedStatement ps = con.prepareStatement("select \* from user2 where id=?");

ps.setInt(1, id);

ResultSet rs = ps.executeQuery();

if (rs.next()) {

e.setId(rs.getInt(1));

e.setName(rs.getString(2));

e.setPassword(rs.getString(3));

e.setEmail(rs.getString(4));

e.setCountry(rs.getString(5));

}

con.close();

} catch (Exception ex) {

ex.printStackTrace();

}

return e;

}

public static List<Emp> getAllEmployees() {

List<Emp> list = new ArrayList<Emp>();

try {

Connection con = EmpDao.getConnection();

PreparedStatement ps = con.prepareStatement("select \* from user2");

ResultSet rs = ps.executeQuery();

while (rs.next()) {

Emp e = new Emp();

e.setId(rs.getInt(1));

e.setName(rs.getString(2));

e.setPassword(rs.getString(3));

e.setEmail(rs.getString(4));

e.setCountry(rs.getString(5));

list.add(e);

}

con.close();

} catch (Exception e) {

e.printStackTrace();

}

return list;

}

}

**SaveServlet.java**

package com.cdac.controller;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.cdac.dao.EmpDao;

import com.cdac.model.Emp;

@WebServlet("/SaveServlet")

public class SaveServlet extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

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

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

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

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

Emp e = new Emp();

e.setName(name);

e.setPassword(password);

e.setEmail(email);

e.setCountry(country);

int status = EmpDao.save(e);

if (status > 0) {

out.print("<p>Record saved successfully!</p>");

request.getRequestDispatcher("index.html").include(request, response);

} else {

out.println("Sorry! unable to save record");

}

out.close();

}

}

**EditServlet.java**

package com.cdac.controller;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.cdac.dao.EmpDao;

import com.cdac.model.Emp;

@WebServlet("/EditServlet")

public class EditServlet extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

out.println("<h1>Update Employee</h1>");

String sid = request.getParameter("id");

int id = Integer.parseInt(sid);

Emp e = EmpDao.getEmployeeById(id);

out.print("<form action='EditServlet2' method='post'>");

out.print("<table>");

out.print("<tr><td></td><td><input type='hidden' name='id' value='" + e.getId() + "'/></td></tr>");

out.print("<tr><td>Name:</td><td><input type='text' name='name' value='" + e.getName() + "'/></td></tr>");

out.print("<tr><td>Password:</td><td><input type='password' " + "name='password' value='" + e.getPassword()

+ "'/> </td></tr>");

out.print("<tr><td>Email:</td><td><input type='email' name='email' value='" + e.getEmail() + "'/></td></tr>");

out.print("<tr><td>Country:</td><td>");

out.print("<select name='country' style='width:150px'>");

out.print("<option>India</option>");

out.print("<option>USA</option>");

out.print("<option>UK</option>");

out.print("<option>Other</option>");

out.print("</select>");

out.print("</td></tr>");

out.print("<tr><td colspan='2'><input type='submit' value='Edit & Save '/></td></tr>");

out.print("</table>");

out.print("</form>");

out.close();

}

}

**EditServlet2.java**

package com.cdac.controller;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.cdac.dao.EmpDao;

import com.cdac.model.Emp;

@WebServlet("/EditServlet2")

public class EditServlet2 extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String sid = request.getParameter("id");

int id = Integer.parseInt(sid);

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

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

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

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

Emp e = new Emp();

e.setId(id);

e.setName(name);

e.setPassword(password);

e.setEmail(email);

e.setCountry(country);

int status = EmpDao.update(e);

if (status > 0) {

response.sendRedirect("ViewServlet");

} else {

out.println("Sorry! unable to update record");

}

out.close();

}

}

**ViewServlet2.java**

package com.cdac.controller;

import java.io.IOException;

import java.io.PrintWriter;

import java.util.List;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

import com.cdac.dao.EmpDao;

import com.cdac.model.Emp;

@WebServlet("/ViewServlet")

public class ViewServlet extends HttpServlet {

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out = response.getWriter();

out.println("<a href='index.html'>Add New Employee</a>");

out.println("<h1>Employees List</h1>");

List<Emp> list = EmpDao.getAllEmployees();

out.print("<table border='1' width='100%'");

out.print(

"<tr><th>Id</th><th>Name</th><th>Password</th><th>Email</th><th>Country</th> <th>Edit</th><th>Delete</th></tr>");

for (Emp e : list) {

out.print("<tr><td>" + e.getId() + "</td><td>" + e.getName() + "</td><td>" + e.getPassword()

+ "</td> <td>" + e.getEmail() + "</td><td>" + e.getCountry() + "</td><td><a href='EditServlet?id="

+ e.getId() + "'>edit</a></td> <td><a href='DeleteServlet?id=" + e.getId()

+ "'>delete</a></td></tr>");

}

out.print("</table>");

out.close();

}

}





