**SLIP 1**

**Create a registration servlet in Java using JDBC. Accept the details such as Username, Password, Email, and Country from the user using HTML Form and store the registration details in the database.**

Index.jsp

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form action="RegistrationServlet">

Username : <input type="text" name="uname"><br>

Password :<input type="password" name="upass"><br>

E-mail :<input type="text" name="email"><br>

Country :<input type="text" name="country"><br>

<input type="submit" name="submit">

</form>

</body>

</html>

RegistrationServlet.

javapackage mypack; import java.io.IOException; import java.io.PrintWriter; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; import java.sql.\*;

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

PrintWriter out = response.getWriter();

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

String ps=request.getParameter("upass");

String em=request.getParameter("email"); String co=request.getParameter("country"); try {

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

Connection

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

PreparedStatementpst=con.prepareStatement("insert into user values(?,?,?,?)"); pst.setString(1,id); pst.setString(2,ps); pst.setString(3,em); pst.setString(4,co); int row=pst.executeUpdate();

out.println("<h1>"+row+"inserted</h1>"); out.println("<html>"); out.println("<head>");

out.println("<title>Servlet RegistrationServlet</title>"); out.println("</head>"); out.println("<body>");

out.println("<h1>Servlet RegistrationServlet at " + request.getContextPath() +

"</h1>");

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

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

}

}

**SLIP 2**

# Create a JSP application to demonstrate the use of JSTL.

Insert.jsp :

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%@page import="java.io.\*,java.util.\*,java.sql.\*"%>

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

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<h1>Hello World!</h1>

<form action="insertdb.jsp" method="post">

<table border="0" cell spacing="2" cell padding="5">

<thead>

<tr>

<th colspan="2"> Purchase Product</th>

</tr>

</thead>

<tbody>

<tr>

<td><label>Product Name</label></td>

<td><input type="text" name="name"/></td>

</tr>

<tr>

<td><label>Quantity</label></td>

<td><input type="text" name="qty"/></td>

</tr>

<tr>

<td><input type="submit" name="Save"/></td>

<td><input type="reset" name="reset"/></td>

</tr>

</tbody>

</table>

</form>

<font color="red"><c:if test="${not empty param.errMsg}">

<c:out value="${param.errMsg}"/>

<a href="index.jsp"> Go Back</a>

</c:if>

</font>

<font color="green"><c:if test="${not empty param.susMsg}">

<c:out value="${param.susMsg}"/>

<a href="index.jsp"> Go Back</a>

</c:if>

</font>

</body>

</html>

Display.jsp :

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%@page import="java.io.\*,java.util.\*,java.sql.\*"%>

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

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

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Select Operation</title><script>function coformGO(m,u){

if(conform(m)){

window.location=u;

}

}

</script>

</head>

<body>

<sql:setDataSource var="dbsource" driver="com.mysql.jdbc.Driver" url="jdbc:mysql://localhost/sampleDB"/><sql:query dataSource="${dbsource}" var="result">

SELECT \* FROM PRODUCT

</sql:query>

<center>

<form>

<table border="1" width="40%">

<caption>Product List</caption>

<tr>

<th>Product ID</th>

<th>Product Name</th>

<th>Quantity</th>

<th colspan="2"> Action </th>

</tr>

<c:forEach var="row" items="${result.rows}">

<tr>

<td><c:out value="${row.id}"/></td>

<td><c:out value="${row.name}"/></td>

<td><c:out value="${row.quantity}"/></td>

<td><a href="update.jsp?id=c:out value="${row.id}" "/> Update</a></td>

<td><a href="javascript:confirmGo('Sure to delete this record

?','deletedb.jsp?id=<c:out value="${row.id}"/>')">Delete</a></td>

</tr>

</c:forEach>

</table>

</form>

<a href="index.jsp">GO Home</a>

</center>

</body>

</html>

Index.jsp:

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<h1>Choose Option</h1>

<a href="Insert.jsp"> Insert Record</a><p></P>

<a href="display.jsp"> Display Record</a>

</body>

</html>

InsertDB.jsp:

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<%@page import="java.io.\*,java.util.\*,java.sql.\*"%>

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

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

<!DOCTYPE html>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>Inset Operation</title>

</head>

<body>

<c:if test="${empty param.name or empty param.qty}">

<c:redirect url="insert.jsp">

<c:param name="errMsg" value="Please enter Product and Quantity"/>

</c:redirect>

</c:if>

<sql:setDataSource var="dbsource" driver="com.mysql.jdbc.Driver"

url="jdbc:mysql://localhost/sampleDB"/>

<sql:update dataSource="${dbsource}" var="result">

INSERT INTO PRODUCT(name, quantity) VALUES (?,?)

<sql:param value="${param.name}"/>

<sql:param value="${param.qty}"/>

</sql:update>

<c:if test="${result>=1}">

<font size="5" color="green"> Congratulations!! Data Inserted Successfully</font><c:redirect url="Insert.jsp">

<c:param name="susMsg" value="Congratulations!! Data Inserted Successfully"/></c:redirect>

</c:if>

</body>

</html>

**Develop simple application to demonstrate accessing Session Bean using EJB 2.0**

CartBean.java

package cart; import javax.ejb.Stateful; import java.util.ArrayList; import java.util.List; import javax.ejb.Remove;

@Stateful

public class CartBean implements CartBeanLocal

{

String customerName;

String customerId; List<String> contents;

public void initialize(String person,String id) throws Exception

{

if(person==null)

{

throw new Exception("Null person not allowed");

} else

{

customerName=person;

}

if(person=="ABC" && id=="123")

{

customerId=id;

} else

{

throw new Exception("Invalid ID:"+id);

}

contents=new ArrayList<String>();

}

public void addBook(String title)

{

contents.add(title);

}

public void removeBook(String title) throws Exception

{

boolean result=contents.remove(title);

if(result==false)

{

throw new Exception(title+" not in cart ");

}

}

public List<String> getContents()

{

return contents;

}

@Remove

public void remove()

{

contents=null;

}

}

CartBeanLocal.java

package cart; import javax.ejb.Local; import java.util.List;

@Local public interface CartBeanLocal

{ public void initialize(String person,String id) throws Exception; public void addBook(String title); public void removeBook(String title) throws Exception; public List<String> getContents(); public void remove();

}

CartTestServlet.java

package testcart; import cart.CartBeanLocal;

import java.io.\*; import java.util.\*; import javax.naming.\*; import javax.servlet.\*;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.\*;

@WebServlet(name="CartTestServlet",urlPatterns={"/CartTestServlet"})

public class CartTestServlet extends HttpServlet { CartBeanLocal cartBean=lookupCartBeanLocal();

@Override

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

response.setContentType("text/html;charset=UTF-8");

PrintWriter out = response.getWriter(); try

{

cartBean.initialize("ABC", "123");

}

catch(Exception e){} cartBean.addBook("Java 8 CookBook"); cartBean.addBook("Enterprise Java 7"); cartBean.addBook("Java for Dummies");

cartBean.addBook("Learn Java 8"); try

{

out.println("List of Books in cart are :<br>"); List<String> books=cartBean.getContents();

for(String s:books)

out.println(s+"<br>");

}

catch(Exception e){}

try { cartBean.removeBook("JaVA\_The Complete Reference");

}

catch(Exception e)

{

out.print(e);

} try

{

cartBean.removeBook("Java 8 CookBook");

}

catch(Exception e)

{

out.print(e);

}

out.println("<br> Java \* CookBook Deleted <br>");

out.println("After removing book,the list of books in the cart are: <br>"); try

{

List<String>books=cartBean.getContents();

for(String s:books)

out.println(s+"<br>");

}

catch(Exception e){}

}

private CartBeanLocal lookupCartBeanLocal()

{ try

{

Context c=new InitialContext(); return(CartBeanLocal)

c.lookup("java:module/CartBean!cart.CartBeanLocal");

}

catch(NamingException ne)

{

throw new RuntimeException(ne);

}

}

}

**Slip 3**

# Create a Currency Converter application using EJB.

index.jsp

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form action="CCServlet">

Enter amt <input type="text" name="amt"><br>

Conversion Type <input type="radio" name="type" value="r2d">Rupees to Dollar<br>

Conversion Type <input type="radio" name="type" value="d2r">Dollar to

Rupees<br>

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

</form>

</body>

</html>

CCServlet.java

package mypack;

import java.io.IOException; import java.io.PrintWriter; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; import java.io.\*; import javax.servlet.\*; import javax.servlet.http.\*; import javax.ejb.EJB; import mybean.CCBean;

public class CCServlet extends HttpServlet {

@EJB CCBean obj;

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8"); PrintWriter out = response.getWriter();

double amt=Double.parseDouble(request.getParameter("amt")); if(request.getParameter("type").equals("r2d"))

{

out.println("<h1>"+amt+" Rupees = "+obj.r2Dollor(amt)+" Dollors</h1>");

}

if(request.getParameter("type").equals("d2r"))

{

out.println("<h1>"+amt+" Dollor = "+obj.d2Rupees(amt)+" Rupees</h1>");

}

}

}

CCBean.java

package mybean;

import javax.ejb.Stateless;

import javax.ejb.LocalBean;

@Stateless @LocalBean public class CCBean { public double r2Dollor(double r){return r/68.70;} public double d2Rupees(double d){return d\*68.70;}

}

**Write a JSP Code to accept an employee id from user and delete the records of that employee. If the employee id does not exist it should redirect to page with message “No such Record” else it should redirect to another page with message “Employee record deleted Successfully ”**

**jspDelete.jsp**

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"

pageEncoding="ISO-8859-1"%>

<%@ page import="java.sql.\*;" %>

<!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 Data</title>

</head>

<body>

<form action="jspDelete.jsp">

<table>

<tr>

<td>Enter ID To Delete</td>

<td><input type="text" name="id"/></td>

</tr>

<tr>

<td></td>

<td><input type="submit" value="Delete"/></td>

</tr>

</table>

</form>

<%! String driverName = "com.mysql.jdbc.Driver";%>

<%!String url = "jdbc:mysql://localhost:3306/record";%>

<%!String user = "root";%>

<%!String psw = "root";%>

<%

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

if(id != null)

{

Connection con = null;

PreparedStatement ps = null;

int personID = Integer.parseInt(id);

try

{

Class.forName(driverName);

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

String sql = "DELETE FROM person WHERE personID="+personID;

ps = con.prepareStatement(sql);

int i = ps.executeUpdate();

if(i > 0)

{%>

<jsp:forward page="/success.jsp"/>

<%

}

else

%>

<jsp:forward page="/failure.jsp"/>

<%

}

catch(SQLException sqe)

{

request.setAttribute("error", sqe);

out.println(sqe);

}

}

%>

</body>

</html>

**success.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>

<%

out.print("Record Deleted Successfully");

%>

</body>

</html>

**failure.jsp**

Ezoic

<%@ 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>

<%

out.println("There is a problem in Deleting Record.");

out.print("Check Manually in your Database");

%>

</body>

</html>

**Slip 4**

**Create a servlet that uses Cookies to store the number of times a user has visited servlet.**

Index.jsp

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form action="page1">

User Name:<br><input type="text" name="user"></br>

<input type="submit" Value="Click">

</form>

</body>

</html>

Page1.javapackage mypack; import java.io.IOException; import java.io.PrintWriter; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; import javax.servlet.http.Cookie;

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8"); PrintWriter out = response.getWriter();

out.println("<html><head><title>Page1</title></head>"); out.println("<body bgcolor=pink>"); String uname=request.getParameter("Urvashi"); out.println("<h1>welcome "+uname+"</h1>");

Cookie ck1=new Cookie("username",uname); Cookie ck2=new Cookie("visit","1"); response.addCookie(ck1); response.addCookie(ck2);

out.println("<h1><a href=page2>click to page2</a></h1>"); out.println("</body></html>");

}

}

Page2.javapackage mypack; import java.io.IOException; import java.io.PrintWriter; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; import javax.servlet.http.Cookie;

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8"); PrintWriter out = response.getWriter(); out.println("<html><head>page2</head>"); out.println("<body bgcolor=yellow>"); Cookie[] ck=request.getCookies();

for(int i=0;i<ck.length;i++)

{

if(ck[i].getName().equals("visit"))

{

int count=Integer.parseInt(ck[i].getValue())+1; out.println("<h1>Visit No:"+ count+"</h1>"); ck[i]=new Cookie("visit",count+"");

response.addCookie(ck[i]);

} else

{

out.println(ck[i].getName()+"="+ck[i].getValue());

}

}

out.println("<h1><a href=page3>click to page3</a></h1>"); out.println("</body></html>");

}

}

Page3.javapackage mypack; import java.io.IOException; import java.io.PrintWriter; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; import javax.servlet.http.Cookie;

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8"); PrintWriter out = response.getWriter(); out.println("<html><head>page3</head>"); out.println("<body bgcolor=magenta>"); Cookie[] ck=request.getCookies();

for(int i=0;i<ck.length;i++)

{

if(ck[i].getName().equals("visit"))

{

int count=Integer.parseInt(ck[i].getValue())+1; out.println("<h1>Visit No:"+count+"</h1>"); ck[i]=new Cookie("visit",count+""); response.addCookie(ck[i]);

} else

{

out.println(ck[i].getName()+"="+ck[i].getValue());

}}

out.println("<h1><a href=page2>click to page2</a></h1>"); out.println("</body></html>"); } }

**Develop JSP application to allow the user to modify the registration details after valid authentication**

**Slip 5**

**Create a JSP page to demonstrate the use of Expression language**

index.jsp

<html>

<head>

<title>Expression language example2</title>

</head>

<body>

<form action="display.jsp">

Student Name: <input type="text" name="stuname" /><br>

Student RollNum:<input type="text" name="rollno" /><br>

<input type="submit" value="Submit Details!!"/>

</form>

</body>

</html>

display.jsp

<html>

<head>

<title>Display Page</title>

</head>

<body>

Student name is ${ param.stuname } <br>

Student Roll No is ${ param.rollno }

</body>

</html>

**Create a servlet application to upload and download a file**

index.html

<html>

<body>

<form action="FileUploadServlet" method="post" enctype="multipart/form-data">

Select a file to Upload:<input type="file" name="file" id="file">

Destination<input type="text" value="e:/tmp" name="destination"><br>

<input type="submit" value="Upload file" name="upload" id="upload">

</form>

</body><html>

FileUploadServlet.java

package mypack; import java.io.\*; import java.io.IOException; import java.io.PrintWriter; import javax.servlet.ServletException; import javax.servlet.annotation.MultipartConfig; import javax.servlet.http.\*; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; import javax.servlet.annotation.MutlipartConfig;

@MultipartConfig

public class FileUploadServlet extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException { response.setContentType("text/html;charset=UTF-8"); try (PrintWriter out = response.getWriter()) {

}

}

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException { processRequest(request, response);

}

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException { response.setContentType("text/html;charset=UTF-8"); try (PrintWriter out = response.getWriter()) {

String path=request.getParameter("destination");

Part filePart =request.getPart("file");

String fname=filePart.getSubmittedFileName().toString();

String

filename=fname.substring(fname.lastIndexOf(File.separator)+1,fname.length()); out.println("<br><br><br>filename:"+filename); try{

OutputStream os=new FileOutputStream(new

File(path+File.separator+filename));

InputStream is=filePart.getInputStream(); int read=0;

while((read=is.read())!=-1)

{

os.write(read);

} os.close(); is.close();

out.println("<br>File Uploaded Successfully..!!");

}

catch(FileNotFoundException e)

{

out.println(e);

}

processRequest(request, response);

}

}

}

# (Download a file)

**Aim: Create a Servlet application to upload and download a file.**

index.jsp

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<h1>file download Application</h1>

Click <a href="DownloadServlet?filename=e:/ABC.txt">ABC</a>

<br>

Click <a href="DownloadServlet?filename=e:/XYZ.txt">XYZ</a>

</body>

</html>

DownloadServlet.java

package mypack; import java.io.IOException; import java.io.PrintWriter; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; import java.io.\*;

import javax.servlet.ServletContext; import javax.servlet.\*; import javax.servlet.http.\*;

public class DownloadServlet extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException { response.setContentType("APPLICATION/OCTET-STREAM");

PrintWriter out = response.getWriter();

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

ServletContext context=getServletContext();

InputStream is=context.getResourceAsStream("/"+filename); response.setHeader("Content-

Disposition","attachment;filename=\""+filename+"\""); FileInputStream fis=new FileInputStream(filename); int i;

while((i=fis.read())!=-1)

{

out.write(i);

} fis.close(); out.close();

}

}

**Slip 6**

**Create a HTML page with fields eno, name, age, design, salary Now on submit this data to a JSP page which will update the employee table of the database with matching eno.**

Index.jsp

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

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

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

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

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<%!

Connection con;

Statement st;

int id=0;

%>

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<%

con=DriverManager.getConnection("jdbc:derby://localhost:1527/employeesalary");

st=con.createStatement();

ResultSet rs=st.executeQuery("select id from UNTITLED");

while(rs.next())

{

id=rs.getInt(1);

}

id=id+1;

%>

<form>

<pre>Employee id <input type="text" name="t1" value="<%=id%>"><br>

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

salary <input type="text" name="t3"><br>

email id <input type="text" name="t4"><br>

Designation <select name="cb">

<option value="manager">manager</option>

<option value="clerk">clerk</option>

<option value="peon">peon</option></select>

<input type="submit" name="add employee">

</pre>

</form>

</body>

**Develop servlet application to demonstrate basic calculator.**

Index.jsp

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form action="CalculatorServlet">

1st no <input type="text" name="txtn1"><br> 2st no <input type="text" name="txtn2"><br> select operation

<input type="radio" name="opr" value="+">Add

<input type="radio" name="opr" value="-">Sub

<input type="radio" name="opr" value="\*">Mul

<input type="radio" name="opr" value="/">Div

<input type="reset">

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

</form>

</body>

</html>

CalculatorServlet

.javapackage mypack; import java.io.IOException; import java.io.PrintWriter; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; public class CalculatorServlet extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

response.setContentType("text/html;charset=UTF-8");

PrintWriter out = response.getWriter();

try {

out.println("<html>"); out.println("<head>");

out.println("<title>Servlet CalculatorServlet</title>"); out.println("</head>"); out.println("<body>"); double n1=Double.parseDouble(request.getParameter("txtn1")); double n2=Double.parseDouble(request.getParameter("txtn2")); double result=0.0;

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

if(opr.equals("+")) result=n1+n2; if (opr.equals("-")) result=n1-n2; if (opr.equals("\*")) result=n1\*n2; if (opr.equals("/")) result=n1/n2;

out.println("<h1>Result="+result); out.println("</body>");

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

}

} }

**Slip 7**

**Create a registration and login JSP application to register and authenticate the user based on username and password using JDBC**

Register\_1.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>Guru Registration Form</title>

</head>

<body>

<h1>Guru Register Form</h1>

<form action="guru\_register" method="post">

<table style="with: 50%">

<tr>

<td>First Name</td>

<td><input type="text" name="first\_name" /></td>

</tr>

<tr>

<td>Last Name</td>

<td><input type="text" name="last\_name" /></td>

</tr>

<tr>

<td>UserName</td>

<td><input type="text" name="username" /></td>

</tr>

<tr>

<td>Password</td>

<td><input type="password" name="password" /></td>

</tr>

<tr>

<td>Address</td>

<td><input type="text" name="address" /></td>

</tr>

<tr>

<td>Contact No</td>

<td><input type="text" name="contact" /></td>

</tr></table>

<input type="submit" value="Submit" /></form>

</body>

</html>

Resigter.java

package demotest;

import java.io.IOException;

import javax.servlet.RequestDispatcher;

import javax.servlet.ServletException;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class guru\_register

\*/

public class guru\_register extends HttpServlet {

private static final long serialVersionUID = 1L;

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

// TODO Auto-generated method stub

String first\_name = request.getParameter("first\_name");

String last\_name = request.getParameter("last\_name");

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

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

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

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

if(first\_name.isEmpty() || last\_name.isEmpty() || username.isEmpty() ||

password.isEmpty() || address.isEmpty() || contact.isEmpty())

{

RequestDispatcher req = request.getRequestDispatcher("register\_1.jsp");

req.include(request, response);

}

else

{

RequestDispatcher req = request.getRequestDispatcher("register\_2.jsp");

req.forward(request, response);

}

}

}

Register\_2.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> Page</title>

</head>

<body>

<a><b>Welcome User!!!!</b></a>

</body>

</html>

**Develop a servlet application for accepting user registration details and displaying it on another pages(At least 6 values)**

index.html

<html>

<head>

<title>TODO supply a title</title>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>

<form action="Validate.jsp"><h3>

Enter Your Name : <input type="text" name="name"><br>

Enter Your Age : <input type="text" name="age"><br> Select Hobbies :

<input type="checkbox" name="hob" value="Singing">Singing

<input type="checkbox" name="hob" value="Reading">Reading books

<input type="checkbox" name="hob" value="Football">playing football<br>

Enter Email : <input type="text" name="email"><br> Select Gender :

<input type="radio" name="gender" value="male">Male

<input type="radio" name="gender" value="female">Female <br>

<input type="hidden" name="error" value=""><br>

<input type="submit" value="Submit"></h3>

</form>

</body>

</html>

## Validate.jsp

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<h1>Validation Page</h1>

<jsp:useBean id="obj" scope="request" class="mypack.CheckerBeans">

<jsp:setProperty name="obj" property="\*"/>

</jsp:useBean>

<%if(obj.validate())

{%>

<jsp:forward page="Successful.jsp"/>

<%} else{%>

<jsp:include page="index.html"/>

<%}%>

<%=obj.getError()%>

</body>

</html>

## Successful.jsp

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<title>JSP Page</title>

</head>

<body>

<h1>Welcome Student</h1>

</body>

</html>

## CheckBeans.java

package mypack;

public class CheckerBeans { private String name,age,hob,email,gender,error;

public CheckerBeans(){error="";}

public void setName(String name) {

this.name = name;

}

public void setAge(String age) {

this.age = age;

}

public void setHob(String hob) {

this.hob = hob;

}

public void setEmail(String email) {

this.email = email;

}

public void setGender(String gender) {

this.gender = gender;

}

public void setError(String error) {

this.error = error;

}

public String getName() {

return name;

}

public String getAge() { return age;

}

public String getHob() {

return hob;

}

public String getEmail() {

return email;

}

public String getGender() {

return gender;

}

public String getError() {

return error;

}

public boolean validate()

{

boolean res=true; if(name.trim().equals(""))

{

error+="<br>Enter First Name";res=false;

}

if(age.length()>2)

{

error+="<br>Age Invalid";res=false;} return res;

}

}