**Advances in Java Lab(20MCA38)**

**Lab manual**

**1.Write a JAVA Servlet Program to implement a dynamic HTML using Servlet (user name and Password**

**should be accepted using HTML and displayed using a Servlet).**

lab1

index.html

<html>

<head>

<title>servlet</title>

</head>

<body>

<form action="loginServlet" method="get">

enter your name:<input type="text" name="username"/><br><br>

enter password:<input type="password" name="pass"/><br><br>

<input type="submit" value="send"/>

<input type="reset" value="clear"/>

</form>

</body>

</html>

loginServlet.java(Servlet)

importjava.io.IOException;

importjava.io.PrintWriter;

importjavax.servlet.ServletException;

importjavax.servlet.http.HttpServlet;

importjavax.servlet.http.HttpServletRequest;

importjavax.servlet.http.HttpServletResponse;

public class loginServlet extends HttpServlet {

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

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

String passwrd=request.getParameter("pass");

if(name.equals("toce")&&(passwrd.equals("oxford")))

{

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

out.println("<h2>welcome,you have entered</h2>");

out.println("<p>username:"+name+"</p>");

out.println("<p>password:"+passwrd+"</p>");

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

}

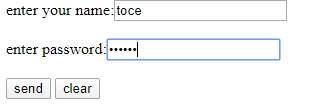
else

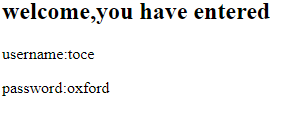
out.println("Invalid username and password");

}

}

Output:





**2.Write a JAVA Servlet Program to Auto Web Page Refresh (Consider a webpage which is displaying Date**

**and time or stock market status. For all such type of pages, you would need to refresh your web page**

**regularly; Java Servlet makes this job easy by providing refresh automatically after a given interval).**

Lab2

refreshPage.java(Servlet)

import java.io.IOException;

importjava.io.PrintWriter;

importjava.util.\*;

importjavax.servlet.ServletException;

importjavax.servlet.http.HttpServlet;

importjavax.servlet.http.HttpServletRequest;

importjavax.servlet.http.HttpServletResponse;

public class refreshPage extends HttpServlet {

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

response.addHeader("Refresh", "3");

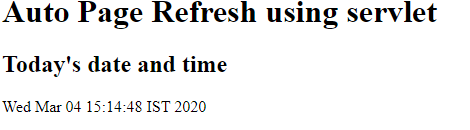
out.println("<h1>Auto Page Refresh using servlet</h1>");

out.println("<h2>Today's date and time</h2>"+new Date());

}

}

output



3.Write a JAVA Servlet Program to implement and demonstrate GET and POST methods (Using HTTP

Servlet Class).

Lab3

index.html

<html>

<body>

<form action="loginServ" method="get">

<h2>Using Get method</h2>

enter name:<input type="text" name="uname"/><br><br>

<input type="submit" value="get()"/>

<input type="reset" value="clear"/>

</form>

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

<h2>Using Get method</h2>

enter name:<input type="text" name="uname1"/><br><br>

<input type="submit" value="post()"/>

<input type="reset" value="clear"/>

</form>

</body>

</html>

---------

loginServ.java (Servlet)

importjava.io.IOException;

importjava.io.PrintWriter;

importjavax.servlet.ServletException;

importjavax.servlet.http.HttpServlet;

importjavax.servlet.http.HttpServletRequest;

importjavax.servlet.http.HttpServletResponse;

public class loginServ extends HttpServlet {

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

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

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

out.println("<h1>Details of Get()</h1>");

out.println("<p>you entered name:"+uname+"</p>");

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

}

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

String uname1=request.getParameter("uname1");

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

out.println("<h1>Details of Post()</h1>");

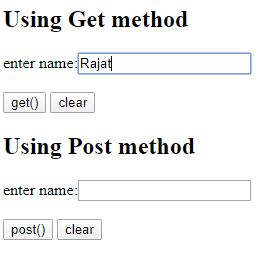
out.println("<p>you entered name:"+uname1+"</p>");

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

}

}

Output:





4.Write a JAVA Servlet Program using cookies to remember user preferences.

Lab4

Index.html

<html>

<body>

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

<h2>setting cookie</h2>

enter your name:<input type="text" name="user"/><br><br>

enter password:<input type="password" name="pass"/><br><br>

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

</form>

</body>

</html>

------

validate.java(servlet)

importjava.io.IOException;

importjava.io.PrintWriter;

importjavax.servlet.ServletException;

importjavax.servlet.http.Cookie;

importjavax.servlet.http.HttpServlet;

importjavax.servlet.http.HttpServletRequest;

importjavax.servlet.http.HttpServletResponse;

public class validate extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

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

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

if(pass.equals("1234"))

{

Cookie ck=new Cookie("username",name);

response.addCookie(ck);

response.sendRedirect("first");

}

else

out.println("Invalid password");

}

}

-----------

first.java(servlet)

importjava.io.IOException;

importjava.io.PrintWriter;

importjavax.servlet.ServletException;

importjavax.servlet.http.Cookie;

importjavax.servlet.http.HttpServlet;

importjavax.servlet.http.HttpServletRequest;

importjavax.servlet.http.HttpServletResponse;

public class first extends HttpServlet {

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

PrintWriter out=response.getWriter();

//read cookie

Cookie[] cks=request.getCookies();

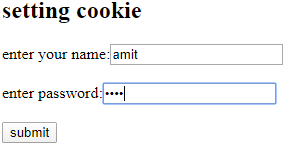
out.println("welcome "+cks[0].getValue());

}

}

Output:

Run1





Run2





5.Write a JAVA Servlet program to track HttpSession by accepting user name and password using HTML

Lab5

Index.html

<html>

<body>

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

<h2>setting session</h2>

enter your name:<input type="text" name="user"/><br><br>

enter password:<input type="password" name="pass"/><br><br>

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

</form>

</body>

</html>

-------

validate.java(servlet)

public class validate extends HttpServlet {

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

response.setContentType("text/html");

PrintWriter out=response.getWriter();

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

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

if(pass.equals("1234"))

{

HttpSession session=request.getSession();

session.setAttribute("user",name);

response.sendRedirect("welcome");

}

else

out.println("Invalid password");

}

}

-------

welcome.java(servlet)

importjava.io.IOException;

importjava.io.PrintWriter;

importjavax.servlet.ServletException;

importjavax.servlet.http.HttpServlet;

importjavax.servlet.http.HttpServletRequest;

importjavax.servlet.http.HttpServletResponse;

importjavax.servlet.http.HttpSession;

public class welcome extends HttpServlet {

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

PrintWriter out=response.getWriter();

HttpSession session=request.getSession();

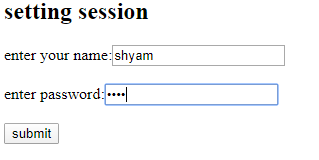
String user=(String)session.getAttribute("user");

out.println("hello "+user);

}

}

Output:





6.Write a JSP Program which uses jsp:include and jsp:forward action to display a Webpage.

Lab6

index.html

<html>

<head><title>lab6</title></head>

<body>

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

enter your name:<input type="text" name="uname"/><br><br>

enter password:<input type="password" name="passwrd"/><br><br>

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

<input type="reset" value="clear"/>

</form>

</body>

</html>

----

login.jsp

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

<!DOCTYPE html>

<html>

<head><title>Login Page</title></head>

<body>

<% String pass=request.getParameter("passwrd");

if(pass.equals("admin123"))

{ %>

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

<% } else { %>

<h2> please re-enter username and password</h2>

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

<% } %>

</body>

</html>

--------

welcome.jsp

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

<!DOCTYPE html>

<html>

<head><title>Welcome Page</title></head>

<body>

<h3>login successful</h3>

welcome, <%= request.getParameter("uname") %>

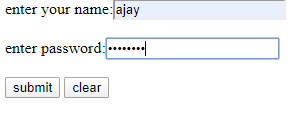
</body>

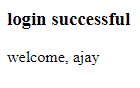
</html>

--------

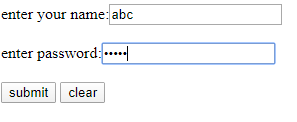
Output

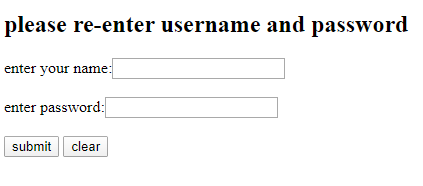
Run1





Run2





7.Write a JSP Program which uses <jsp:plugin> tag to run a applet

Lab7

lab7.jsp

<html>

<body>

<jsp:plugin type="applet" code="myapplet.class" width="400" height="400">

<jsp:fallback>unable to load applet</jsp:fallback>

</jsp:plugin>

</body>

</html>

--------

myapplet.java(normal java)

import java.awt.\*;

importjava.applet.\*;

public class myapplet extends Applet{

public void init(){

setBackground(Color.red);

}

@Override

public void paint(Graphics g){

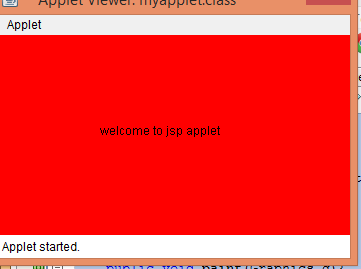
g.drawString("welcome to jsp applet", 100, 100);

}

}

------

Output



8.Write a JSP Program to get student information through a HTML and create a JAVA Bean class,

populate Bean and display the same information through another JSP

Lab8

student.html

<html>

<body>

<form action="student.jsp">

<center>

<h2>student details</h2>

<b>enter usn:</b><input type="text" name="usn"/><br><br>

<b>enter name:</b><input type="text" name="name"/><br><br>

<b>enter marks:</b><input type="text" name="marks"/><br><br>

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

</center>

</form>

</body>

</html>

------

StudentBean.java(create folder in source package with name coreservlets then in that folder this java file)

packagecoreservlets;

public class StudentBean {

private String name;

private String usn;

privateint marks;

public void setUsn(String usn)

{

this.usn=usn;

}

public String getUsn()

{

returnusn;

}

public void setName(String name)

{

this.name=name;

}

public String getName()

{

return name;

}

public void setMarks(int marks)

{

this.marks=marks;

}

publicintgetMarks()

{

return marks;

}

}

-----

student.jsp

<html>

<body>

<center>

<h2>student information</h2>

<jsp:useBean id="st" class="coreservlets.StudentBean"/>

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

studentusn:<jsp:getProperty name="st" property="usn"/><br><br>

student name:<jsp:getProperty name="st" property="name"/><br><br>

student marks:<jsp:getProperty name="st" property="marks"/><br><br>

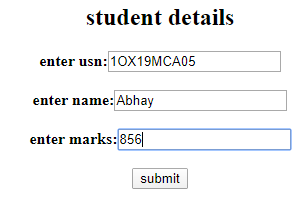
</center>

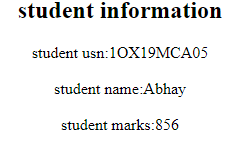
</body>

</html>

------

Output





9.Write a JSP program to implement all the attributes of page directive tag.

Lab9

index.jsp

<%@page contentType="text/html" pageEncoding="UTF-8" autoFlush="false" buffer="8kb" errorPage="error.jsp" import="java.util.Date" info="homepage jsp" isELIgnored="true" language="java" isThreadSafe="true" session="true" %>

<!DOCTYPE html>

<html>

<body>

<p>todays date:</p>

<%= new java.util.Date()%>

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

enter your username:<input type="text" name="uname"/>

enter password:<input type="password" name="pass"/>

<input type="submit" name="login.jsp"/>

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

</form>

</body>

</html>

-----

login.jsp

<%@page contentType="text/html" pageEncoding="UTF-8" errorPage="error.jsp"%>

<!DOCTYPE html>

<html>

<body>

<% String user=request.getParameter("uname");

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

if(user.equals("")||pass.equals("")){

throw new ServletException("parameter passing is mandatory");

}%>

Hi <%=user%>

</body>

</html>

-------

error.jsp

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

<!DOCTYPE html>

<html>

<body>

<h2>sorry an exception occurred!</h2>

exception is: <%=exception%>

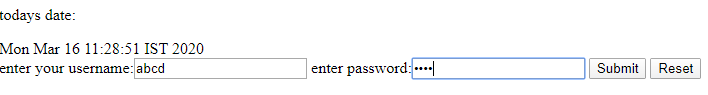
</body>

</html>

------

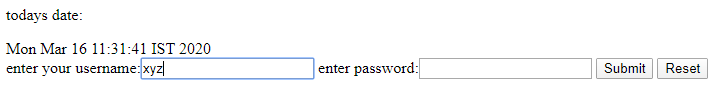
Output

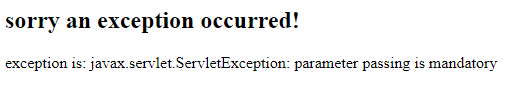
Run1





Run2





10.Write a JAVA Program to insert data into Student DATA BASE and retrieve info based on particular

queries (For example update, delete, search etc…).

package lab10;

import java.sql.\*;

importoracle.jdbc.driver.\*;

import java.io.\*;

public class Lab10 {

public static void main(String[] arg) throws SQLException, ClassNotFoundException, IOException

{

String url="jdbc:oracle:thin:@localhost:1521:xe";

String username="system";

String password="scott";

try

{

BufferedReader in=new BufferedReader(new InputStreamReader(System.in));

DriverManager.registerDriver(new oracle.jdbc.driver.OracleDriver());

Class.forName("oracle.jdbc.driver.OracleDriver");

Connection conn=DriverManager.getConnection(url,username,password);

Statement stmt=conn.createStatement();

try

{

for(;;)

{

System.out.println("1.create new table\n2.insert\n3.dispalyed\n4.update");

System.out.println("\n5.delete\n6.drop and exit\n enter the choice:");

int t2=Integer.parseInt(in.readLine());

switch(t2)

{

case 1: ResultSet rs2=null;

String create="CREATE TABLE mca(empno VARCHAR(10),ename VARCHAR(20))";

ResultSet rs1=stmt.executeQuery(create);

System.out.println("table created successfully");

break;

case 2: PreparedStatement stmt1=conn.prepareStatement("INSERT INTO mca VALUES(?,?)");

System.out.println("enter how many no of data you want to enter");

int t1=Integer.parseInt(in.readLine());

for(inti=0;i<t1;i++)

{

System.out.println("enter empno and empname");

String usn=in.readLine();

String name=in.readLine();

stmt1.setString(1,usn);

stmt1.setString(2,name);

stmt1.executeUpdate();

}

stmt1.close();

break;

case 3: String query="SELECT\*FROM mca ORDER BY empno";

ResultSetrs =stmt.executeQuery(query);

System.out.println("-------------------");

while(rs.next())

{

String eno=rs.getString("empno");

String ename=rs.getString("ename");

System.out.println("emp no:"+eno+"\tename:"+ename);

}

System.out.println("-----------------------");

rs.close();

break;

case 4: PreparedStatement stmt2=conn.prepareStatement("UPDATE mca SET ename=? whereempno=?");

System.out.println("enter empno");

String str1=in.readLine();

System.out.println("enter updated name");

String str2=in.readLine();

stmt2.setString(2,str1);

stmt2.setString(1,str2);

stmt2.executeUpdate();

stmt2.close();

break;

case 5: PreparedStatement stmt3=conn.prepareStatement("DELETE FROM mca where empno=?");

System.out.println("enter empno");

String str3=in.readLine();

stmt3.setString(1,str3);

stmt3.executeUpdate();

stmt3.close();

break;

case 6: ResultSet rs5=stmt.executeQuery("DROP TABLE mca");

rs5.close();

System.exit(1);

break;

default: System.out.println("enter correct choice");

}

}

}

catch(IOException e)

{

e.printStackTrace();

}

conn.close();

}

catch(Exception e)

{

System.out.println(e);

}

}

} // class close

**OUTPUT:**

1. Create New table
2. Insert
3. Display
4. Update
5. Delete
6. Drop and Exit

Enter the Choice: 1

1. Create New table
2. Insert
3. Display
4. Update
5. Delete
6. Drop and Exit

Enter the Choice: 2

Enter how many no of data you want to enter: 2

Enter emp no and emp name

1001

Prakash Angadi

1002

Praveen

1. Create New table
2. Insert
3. Display
4. Update
5. Delete
6. Drop and Exit

Enter the Choice: 3

------------------------------------------

EmpNo: 1001 Ename :PrakashAngadi

Emp No: 1002 Ename: Praveen

-------------------------------------------

1. Create New table
2. Insert
3. Display
4. Update
5. Delete
6. Drop and Exit

Enter the Choice: 4

Enter Emp No: 1002

Enter updated name: Praveen Patil

11.An EJB application that demonstrates Session Bean (with appropriate business logic).

Lab11

calcbean.java(in ejb)

packageSessionBean;

importjavax.ejb.Stateless;

@Stateless

public class calcbean implements calcbeanLocal {

@Override

public Integer addition(int a, int b) {

return (a+b);

}

// Add business logic below. (Right-click in editor and choose

// "Insert Code > Add Business Method")

@Override

public Integer subtraction(int a, int b) {

return (a-b);

}

@Override

public Integer multiplication(int a, int b) {

return (a\*b);

}

@Override

public Integer division(int a, int b) {

return (a/b);

}

}

------

calcservlet.java(servlet)

importjava.io.IOException;

importjava.io.PrintWriter;

importjavax.ejb.EJB;

importjavax.servlet.ServletException;

importjavax.servlet.http.HttpServlet;

importjavax.servlet.http.HttpServletRequest;

importjavax.servlet.http.HttpServletResponse;

public class calcservlet extends HttpServlet {

@EJB

Private calcbeanLocal calcbean;

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

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

try (PrintWriter out = response.getWriter()) {

/\* TODO output your page here. You may use following sample code. \*/

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Servlet calcservlet</title>");

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

out.println("<body>");

int a=Integer.parseInt(request.getParameter("t1"));

int b=Integer.parseInt(request.getParameter("t2"));

String f=request.getParameter("g");

int result=0;

if(f.equals("1"))

{

result=calcbean.addition(a, b);

}

else if(f.equals("2"))

{

result=calcbean.subtraction(a, b);

}

else if(f.equals("3"))

{

result=calcbean.multiplication(a, b);

}

else

{

result=calcbean.division(a, b);

}

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

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

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

}

}

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

processRequest(request, response);

}

}

--------

calcjsp.jsp

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

<!DOCTYPE html>

<html>

<head>

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

<title>JSP Page</title>

</head>

<body>

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

value1:<input type="text" name="t1"/>

value2:<input type="text" name="t2"/><br>

<input type="radio" name="g" value="1"/>Addition<br>

<input type="radio" name="g" value="2"/>Subtraction<br>

<input type="radio" name="g" value="3"/>Multiplication<br>

<input type="radio" name="g" value="4"/>Division<br>

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

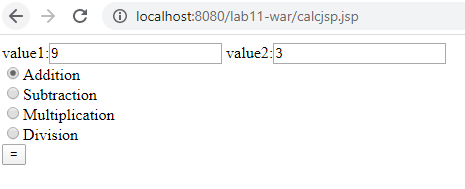
</form>

</body>

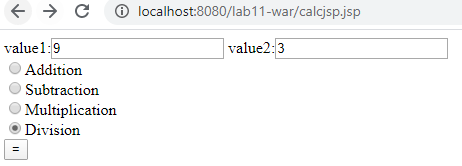
</html>

---------

Output



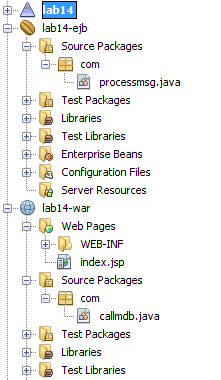






**12. An EJB Application that demonstrates MDB**(with appropriate business logic)**.**

Tree Structure



STEPS:-

Step 1:

• Open the services Tab it will be available on left side of the netbeans window

• if not available the go to Window---> Services (then it will be available on left side of

netbeans window)

------------------------------------------------------------

Step 2:

• You can find Servers (click on + symbol) you can find GlassFish and apache been listed

SELECT Glassfish v2

• Right Click on the GlassFish v2 and select the option Start

• Again Right Click And select the option View Admin Console

Step 3:

• Browser will be opened.

• Enter the username : admin and password: adminadmin

Step 4: This new page will be opened

---------------------------------------------------------------

Step 5: Resource---->Destination Resources----->New

• Type JNDI Name:jms/testq

• Physical Destination Name: testing

• ResorceType:javax.jms.Queue

• Click on OK button

-----------------------------------------------------------------

Step 6: Select Resources Option which is available on left side of the page.

Select JMS Resources

Select Connection Factories

A new window will be opened on right side after selecting connection factories option

Click on New Button

Type JNDI Name:jms/testqueue

ResorceType:javax.QueueConnectionFactory

Click on OK button

**Processbean.java**

package com;

importjava.util.logging.Level;

importjava.util.logging.Logger;

importjavax.ejb.ActivationConfigProperty;

importjavax.ejb.MessageDriven;

importjavax.jms.JMSException;

importjavax.jms.Message;

importjavax.jms.MessageListener;

importjavax.jms.TextMessage;

@MessageDriven(mappedName = "jms/testq", activationConfig = {

@ActivationConfigProperty(propertyName = "acknowledgeMode", propertyValue = "Auto-acknowledge"),

@ActivationConfigProperty(propertyName = "destinationType", propertyValue = "javax.jms.Queue")

})

public class processbean implements MessageListener {

publicprocessbean() {

}

@Override

public void onMessage(Message message) {

TextMessage t=null;

t=(TextMessage)message;

try{

System.out.println(t.getText());

}

catch(JMSException e)

{

Logger.getLogger(processbean.class.getName()).log(Level.SEVERE, null, e);

}

}

}

**Index.jsp**

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

<!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=UTF-8">

<title>JSP Page</title>

</head>

<body>

<form action="callmdb" >

sendmsg: <input type="text" name="msg"><br>

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

</form>

</body>

</html>

**Callmdb**

package com;

importjava.io.IOException;

importjava.io.PrintWriter;

importjava.util.logging.Level;

importjava.util.logging.Logger;

importjavax.annotation.Resource;

importjavax.jms.Connection;

importjavax.jms.ConnectionFactory;

importjavax.jms.JMSException;

importjavax.jms.Message;

importjavax.jms.MessageProducer;

importjavax.jms.Queue;

importjavax.jms.Session;

importjavax.jms.TextMessage;

importjavax.servlet.ServletException;

importjavax.servlet.annotation.WebServlet;

importjavax.servlet.http.HttpServlet;

importjavax.servlet.http.HttpServletRequest;

importjavax.servlet.http.HttpServletResponse;

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

public class callmdb extends HttpServlet {

@Resource(name = "jms/testq")

private Queue testq;

@Resource(name = "jms/testqueue")

privateConnectionFactorytestqueue;

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

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

PrintWriter out = response.getWriter();

try {

this.sendJMSMessageToTestq(request);

}

catch(Exception e){ }

finally {

out.close();

}

}

private Message createJMSMessageForjmsTestq(Session session, Object messageData) throws JMSException {

TextMessage tm = session.createTextMessage();

HttpServletRequestrq=(HttpServletRequest)messageData;

tm.setText(rq.getParameter("msg"));

return tm;

}

private void sendJMSMessageToTestq(Object messageData) throws JMSException {

Connection connection = null;

Session session = null;

try {

connection = testqueue.createConnection();

session = connection.createSession(false, Session.AUTO\_ACKNOWLEDGE);

MessageProducermessageProducer = session.createProducer(testq);

messageProducer.send(createJMSMessageForjmsTestq(session, messageData));

} finally {

if (session != null) {

try {

session.close();

} catch (JMSException e) {

Logger.getLogger(this.getClass().getName()).log(Level.WARNING, "Cannot close session", e);

}

}

if (connection != null) {

connection.close();

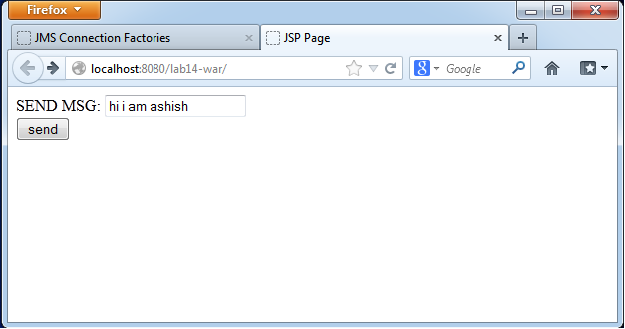
}

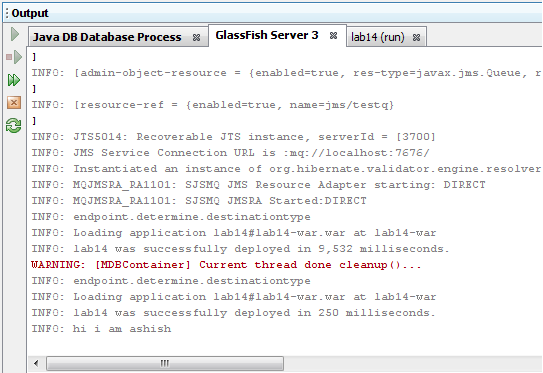
}

}

}

**Output:**

****

****

13.An EJB application that demonstrates persistence (with appropriate business logic).

Lab13

servlet.java(servlet)

importbm.Student;

importbm.StudentFacadeLocal;

importjava.io.IOException;

importjava.io.PrintWriter;

importjava.util.List;

importjavax.ejb.EJB;

importjavax.servlet.ServletException;

importjavax.servlet.annotation.WebServlet;

importjavax.servlet.http.HttpServlet;

importjavax.servlet.http.HttpServletRequest;

importjavax.servlet.http.HttpServletResponse;

@WebServlet(urlPatterns = {"/servlet"})

public class servlet extends HttpServlet {

@EJB

privateStudentFacadeLocalstudentFacade;

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

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

try (PrintWriter out = response.getWriter()) {

/\* TODO output your page here. You may use following sample code. \*/

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Servlet servlet</title>");

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

out.println("<body>");

out.println("<h1>Servlet servlet at " + request.getContextPath() + "</h1>");

List<Student>info=(List<Student>)studentFacade.findAll();

out.println("<h3>the data in student table</h3><hr/><table style='border:solid';>");

out.println("<tr><th>sid</th><th>sname<th></tr>");

for(inti=0;i<studentFacade.count();i++)

{

out.println("<tr><td>"+info.get(i).getSid()+"</td>");

out.println("<tr><td>"+info.get(i).getSname()+"</td>");

}

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

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

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

}

}

@Override

protected void doGet(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

processRequest(request, response);

}

@Override

protected void doPost(HttpServletRequest request, HttpServletResponse response)

throwsServletException, IOException {

processRequest(request, response);

}

}

-------

j.jsp

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

<!DOCTYPE html>

<html>

<body>

<form action="servlet">

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

</form>

</body>

</html>

--------

Output

