PRACTICAL NO: 01

**PRACTICAL 1:**

**A. Develop the presentation layer of Library Management software application with suitable menus.**

**Library.java** import java.awt.BorderLayout; import java.awt.EventQueue; import javax.swing.JFrame; import javax.swing.JPanel; import javax.swing.border.EmptyBorder; import javax.swing.GroupLayout; import javax.swing.GroupLayout.Alignment;

import javax.swing.JLabel; import java.awt.Color; import java.awt.Font; import javax.swing.JButton;

import javax.swing.LayoutStyle.ComponentPlacement;

import java.awt.event.ActionListener;

import java.awt.event.ActionEvent;

public class Library extends JFrame { static Library frame;

private JPanel contentPane;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() { public void run() {

try {

frame= new Library(); frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

public Library() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE); setBounds(100, 100, 450, 300); contentPane = new JPanel();

contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

setContentPane(contentPane);

JLabel lblLibraryManagement = new JLabel("Library Management "); lblLibraryManagement.setFont(new Font("Tahoma", Font.PLAIN, 18));

lblLibraryManagement.setForeground(Color.GRAY);

JButton btnAdminLogin = new JButton("Admin Login"); btnAdminLogin.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { AdminLogin.main(new String[]{}); frame.dispose();

}

});

btnAdminLogin.setFont(new Font("Tahoma", Font.PLAIN, 15));

JButton btnLibrarianLogin = new JButton("Librarian Login"); btnLibrarianLogin.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent arg0) {

LibrarianLogin.main(new String[]{});

}

});

btnLibrarianLogin.setFont(new Font("Tahoma", Font.PLAIN, 15)); GroupLayout gl\_contentPane = new GroupLayout(contentPane); gl\_contentPane.setHorizontalGroup(

gl\_contentPane.createParallelGroup(Alignment.LEADING) .addGroup(gl\_contentPane.createSequentialGroup(

.addGroup(gl\_contentPane.createParallelGroup(Alignment.LEADING)

.addGroup(gl\_contentPane.createSequentialGroup()

.addGap(64)

.addComponent(lblLibraryManagement))

.addGroup(gl\_contentPane.createSequentialGroup()

.addGap(140)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.TRAILING, false)

.addComponent(btnLibrarianLogin,

Alignment.LEADING, GroupLayout.DEFAULT\_SIZE, GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(btnAdminLogin,

Alignment.LEADING, GroupLayout.DEFAULT\_SIZE, 135, Short.MAX\_VALUE))))

.addContainerGap(95, Short.MAX\_VALUE))

);

gl\_contentPane.setVerticalGroup(

gl\_contentPane.createParallelGroup(Alignment.LEADING) .addGroup(gl\_contentPane.createSequentialGroup()

.addContainerGap()

.addComponent(lblLibraryManagement)

.addGap(32)

.addComponent(btnAdminLogin,

GroupLayout.PREFERRED\_SIZE, 52, GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(ComponentPlacement.UNRELATED)

.addComponent(btnLibrarianLogin,

GroupLayout.PREFERRED\_SIZE, 53, GroupLayout.PREFERRED\_SIZE)

.addContainerGap(70, Short.MAX\_VALUE))

);

contentPane.setLayout(gl\_contentPane);

}

}

**AdminLogin.java** import java.awt.BorderLayout; import java.awt.EventQueue; import javax.swing.JFrame; import javax.swing.JPanel; import javax.swing.border.EmptyBorder; import javax.swing.GroupLayout; import javax.swing.GroupLayout.Alignment;

import javax.swing.JLabel; import javax.swing.JOptionPane; import java.awt.Font; import java.awt.Color; import javax.swing.JTextField; import javax.swing.JButton; import java.awt.event.ActionListener; import java.awt.event.ActionEvent; import javax.swing.JPasswordField; public class AdminLogin extends JFrame { static AdminLogin frame; private JPanel contentPane; private JTextField textField; private JPasswordField passwordField;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() { public void run() {

try {

frame = new AdminLogin(); frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

public AdminLogin() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE); setBounds(100, 100, 450, 300); contentPane = new JPanel();

contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

setContentPane(contentPane);

JLabel lblAdminLoginForm = new JLabel("Admin Login Form"); lblAdminLoginForm.setForeground(Color.GRAY);

lblAdminLoginForm.setFont(new Font("Tahoma", Font.PLAIN, 18));

JLabel lblEnterName = new JLabel("Enter Name:"); JLabel lblEnterPassword = new JLabel("Enter Password:"); textField = new JTextField();

textField.setColumns(10);

JButton btnLogin = new JButton("Login"); btnLogin.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) {

String name=textField.getText();

String password=String.valueOf(passwordField.getPassword());

if(name.equals("admin")&&password.equals("admin123")){ AdminSuccess.main(new String[]{}); frame.dispose();

}else{

JOptionPane.showMessageDialog(AdminLogin.this, "Sorry,

Username or Password Error","Login Error!", JOptionPane.ERROR\_MESSAGE);

textField.setText("");

passwordField.setText("");

}

}

});

passwordField = new JPasswordField();

GroupLayout gl\_contentPane = new GroupLayout(contentPane); gl\_contentPane.setHorizontalGroup(

gl\_contentPane.createParallelGroup(Alignment.TRAILING)

.addGroup(gl\_contentPane.createSequentialGroup()

.addGroup(gl\_contentPane.createParallelGroup(Alignment.LEADING)

.addGroup(gl\_contentPane.createSequentialGroup()

.addGap(124)

.addComponent(lblAdminLoginForm))

.addGroup(gl\_contentPane.createSequentialGroup()

.addGap(19)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.LEADING)

.addComponent(lblEnterName)

.addComponent(lblEnterPassword))

.addGap(47)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.LEADING, false)

.addComponent(passwordField) .addComponent(textField,

GroupLayout.DEFAULT\_SIZE, 172, Short.MAX\_VALUE))))

.addContainerGap(107, Short.MAX\_VALUE))

.addGroup(gl\_contentPane.createSequentialGroup()

.addContainerGap(187, Short.MAX\_VALUE)

.addComponent(btnLogin, GroupLayout.PREFERRED\_SIZE,

86, GroupLayout.PREFERRED\_SIZE)

.addGap(151))

);

gl\_contentPane.setVerticalGroup(

gl\_contentPane.createParallelGroup(Alignment.LEADING) .addGroup(gl\_contentPane.createSequentialGroup()

.addComponent(lblAdminLoginForm)

.addGap(26)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.BASELINE)

.addComponent(lblEnterName)

.addComponent(textField,

GroupLayout.PREFERRED\_SIZE, GroupLayout.DEFAULT\_SIZE, GroupLayout.PREFERRED\_SIZE))

.addGap(28)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.BASELINE)

.addComponent(lblEnterPassword)

.addComponent(passwordField,

GroupLayout.PREFERRED\_SIZE, GroupLayout.DEFAULT\_SIZE, GroupLayout.PREFERRED\_SIZE))

.addGap(18)

.addComponent(btnLogin, GroupLayout.PREFERRED\_SIZE,

37, GroupLayout.PREFERRED\_SIZE)

.addContainerGap(80, Short.MAX\_VALUE))

);

contentPane.setLayout(gl\_contentPane);

}

}

**AdminSuccess.java** import java.awt.BorderLayout;

import java.awt.EventQueue;

import javax.swing.JFrame; import javax.swing.JPanel; import javax.swing.border.EmptyBorder; import javax.swing.GroupLayout; import javax.swing.GroupLayout.Alignment;

import javax.swing.JLabel; import java.awt.Color; import java.awt.Font; import javax.swing.JButton; import java.awt.event.ActionListener; import java.awt.event.ActionEvent;

import javax.swing.LayoutStyle.ComponentPlacement; import java.sql.\*;

public class AdminSuccess extends JFrame { static AdminSuccess frame; private JPanel contentPane;

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() { public void run() {

try {

frame = new AdminSuccess(); frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

public AdminSuccess() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE); setBounds(100, 100, 450, 371); contentPane = new JPanel();

contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

setContentPane(contentPane);

JLabel lblAdminSection = new JLabel("Admin Section"); lblAdminSection.setFont(new Font("Tahoma", Font.PLAIN, 22));

lblAdminSection.setForeground(Color.GRAY);

JButton btnNewButton = new JButton("Add Librarian"); btnNewButton.setFont(new Font("Tahoma", Font.PLAIN, 15)); btnNewButton.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { LibrarianForm.main(new String[]{}); frame.dispose();

}

});

JButton btnViewLibrarian = new JButton("View Librarian"); btnViewLibrarian.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent arg0) {

ViewLibrarian.main(new String[]{});

}

});

btnViewLibrarian.setFont(new Font("Tahoma", Font.PLAIN, 15));

JButton btnDeleteLibrarian = new JButton("Delete Librarian"); btnDeleteLibrarian.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { DeleteLibrarian.main(new String[]{}); frame.dispose();

}

});

btnDeleteLibrarian.setFont(new Font("Tahoma", Font.PLAIN, 15));

JButton btnLogout = new JButton("Logout"); btnLogout.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent arg0) { Library.main(new String[]{}); frame.dispose();

}

});

btnLogout.setFont(new Font("Tahoma", Font.PLAIN, 15)); GroupLayout gl\_contentPane = new GroupLayout(contentPane); gl\_contentPane.setHorizontalGroup( gl\_contentPane.createParallelGroup(Alignment.TRAILING) .addGroup(gl\_contentPane.createSequentialGroup()

.addContainerGap(150, Short.MAX\_VALUE)

.addComponent(lblAdminSection,

GroupLayout.PREFERRED\_SIZE, 151, GroupLayout.PREFERRED\_SIZE)

.addGap(123))

.addGroup(Alignment.LEADING,

gl\_contentPane.createSequentialGroup()

.addGap(134)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.LEADING)

.addComponent(btnLogout,

GroupLayout.PREFERRED\_SIZE, 181, GroupLayout.PREFERRED\_SIZE)

.addComponent(btnDeleteLibrarian,

GroupLayout.PREFERRED\_SIZE, 181, GroupLayout.PREFERRED\_SIZE)

.addComponent(btnViewLibrarian,

GroupLayout.PREFERRED\_SIZE, 181, GroupLayout.PREFERRED\_SIZE)

.addComponent(btnNewButton,

GroupLayout.PREFERRED\_SIZE, 181, GroupLayout.PREFERRED\_SIZE))

.addContainerGap(109, Short.MAX\_VALUE))

);

gl\_contentPane.setVerticalGroup(

gl\_contentPane.createParallelGroup(Alignment.LEADING) .addGroup(gl\_contentPane.createSequentialGroup()

.addComponent(lblAdminSection,

GroupLayout.PREFERRED\_SIZE, 40, GroupLayout.PREFERRED\_SIZE)

.addGap(11)

.addComponent(btnNewButton,

GroupLayout.PREFERRED\_SIZE, 49, GroupLayout.PREFERRED\_SIZE)

.addGap(18)

.addComponent(btnViewLibrarian,

GroupLayout.PREFERRED\_SIZE, 49, GroupLayout.PREFERRED\_SIZE)

.addGap(18)

.addComponent(btnDeleteLibrarian,

GroupLayout.PREFERRED\_SIZE, 49, GroupLayout.PREFERRED\_SIZE)

.addGap(18)

.addComponent(btnLogout, GroupLayout.PREFERRED\_SIZE,

49, GroupLayout.PREFERRED\_SIZE)

.addContainerGap(21, Short.MAX\_VALUE))

);

contentPane.setLayout(gl\_contentPane);

}

}

**LibrarianLogin.java** import java.awt.BorderLayout;

import java.awt.EventQueue;

import javax.swing.JFrame; import javax.swing.JPanel; import javax.swing.border.EmptyBorder; import javax.swing.GroupLayout; import javax.swing.GroupLayout.Alignment;

import javax.swing.JLabel;

import javax.swing.JOptionPane;

import java.awt.Font; import java.awt.Color; import javax.swing.JTextField; import javax.swing.JButton; import java.awt.event.ActionListener; import java.awt.event.ActionEvent;

import javax.swing.JPasswordField;

public class LibrarianLogin extends JFrame { static LibrarianLogin frame; private JPanel contentPane; private JTextField textField;

private JPasswordField passwordField;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() { public void run() { try {

frame = new LibrarianLogin(); frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the frame.

\*/

public LibrarianLogin() { setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE); setBounds(100, 100, 450, 300); contentPane = new JPanel();

contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

setContentPane(contentPane);

JLabel lblAdminLoginForm = new JLabel("Librarian Login Form"); lblAdminLoginForm.setForeground(Color.GRAY);

lblAdminLoginForm.setFont(new Font("Tahoma", Font.PLAIN, 18));

JLabel lblEnterName = new JLabel("Enter Name:");

JLabel lblEnterPassword = new JLabel("Enter Password:");

textField = new JTextField();

textField.setColumns(10);

JButton btnLogin = new JButton("Login"); btnLogin.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) {

String name=textField.getText();

String password=String.valueOf(passwordField.getPassword()); if(name.equals("raana")&&password.equals("raana123")){ LibrarianSuccess.main(new String[]{});

frame.dispose();

}else{

JOptionPane.showMessageDialog(LibrarianLogin.this, "Sorry,

Username or Password Error","Login Error!", JOptionPane.ERROR\_MESSAGE);

textField.setText("");

passwordField.setText("");

}

}

});

passwordField = new JPasswordField();

GroupLayout gl\_contentPane = new GroupLayout(contentPane); gl\_contentPane.setHorizontalGroup(

gl\_contentPane.createParallelGroup(Alignment.TRAILING)

.addGroup(gl\_contentPane.createSequentialGroup()

.addGroup(gl\_contentPane.createParallelGroup(Alignment.LEADING)

.addGroup(gl\_contentPane.createSequentialGroup()

.addGap(124)

.addComponent(lblAdminLoginForm))

.addGroup(gl\_contentPane.createSequentialGroup()

.addGap(19)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.LEADING)

.addComponent(lblEnterName)

.addComponent(lblEnterPassword))

.addGap(47) .addGroup(gl\_contentPane.createParallelGroup(Alignment.LEADING, false)

.addComponent(passwordField)

.addComponent(textField,

GroupLayout.DEFAULT\_SIZE, 172, Short.MAX\_VALUE))))

.addContainerGap(107, Short.MAX\_VALUE))

.addGroup(gl\_contentPane.createSequentialGroup()

.addContainerGap(187, Short.MAX\_VALUE)

.addComponent(btnLogin, GroupLayout.PREFERRED\_SIZE,

86, GroupLayout.PREFERRED\_SIZE)

.addGap(151))

);

gl\_contentPane.setVerticalGroup(

gl\_contentPane.createParallelGroup(Alignment.LEADING) .addGroup(gl\_contentPane.createSequentialGroup()

.addComponent(lblAdminLoginForm)

.addGap(26)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.BASELINE)

.addComponent(lblEnterName)

.addComponent(textField,

GroupLayout.PREFERRED\_SIZE, GroupLayout.DEFAULT\_SIZE, GroupLayout.PREFERRED\_SIZE))

.addGap(28)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.BASELINE)

.addComponent(lblEnterPassword)

.addComponent(passwordField,

GroupLayout.PREFERRED\_SIZE, GroupLayout.DEFAULT\_SIZE, GroupLayout.PREFERRED\_SIZE))

.addGap(18)

.addComponent(btnLogin, GroupLayout.PREFERRED\_SIZE,

37, GroupLayout.PREFERRED\_SIZE)

.addContainerGap(80, Short.MAX\_VALUE))

);

contentPane.setLayout(gl\_contentPane);

}

}

**LibrarySuccess.java** import java.awt.BorderLayout;

import java.awt.EventQueue;

import javax.swing.JFrame; import javax.swing.JPanel; import javax.swing.border.EmptyBorder; import javax.swing.GroupLayout; import javax.swing.GroupLayout.Alignment;

import javax.swing.JLabel; import java.awt.Font; import java.awt.Color; import javax.swing.JButton; import java.awt.event.ActionListener; import java.awt.event.ActionEvent;

public class LibrarianSuccess extends JFrame { static LibrarianSuccess frame;

private JPanel contentPane;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() { public void run() {

try {

frame = new LibrarianSuccess(); frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the frame.

\*/

public LibrarianSuccess() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE); setBounds(100, 100, 450, 433); contentPane = new JPanel(); contentPane.setForeground(Color.GRAY);

contentPane.setBorder(new EmptyBorder(5, 5, 5, 5));

setContentPane(contentPane);

JLabel lblLibrarianSection = new JLabel("Librarian Section - JavaTpoint"); lblLibrarianSection.setFont(new Font("Tahoma", Font.PLAIN, 22));

JButton btnNewButton = new JButton("Add Books"); btnNewButton.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { BooksForm.main(new String[]{});

frame.dispose();

}

});

btnNewButton.setFont(new Font("Tahoma", Font.PLAIN, 13));

JButton btnViewBooks = new JButton("View Books"); btnViewBooks.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent arg0) {

ViewBooks.main(new String[]{});

}

});

btnViewBooks.setFont(new Font("Tahoma", Font.PLAIN, 13));

JButton btnIssueBook = new JButton("Issue Book"); btnIssueBook.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) { IssueBookForm.main(new String[]{}); frame.dispose();

}

});

btnIssueBook.setFont(new Font("Tahoma", Font.PLAIN, 13));

JButton btnViewIssuedBooks = new JButton("View Issued Books"); btnViewIssuedBooks.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) {

ViewIssuedBooks.main(new String[]{});

}

});

btnViewIssuedBooks.setFont(new Font("Tahoma", Font.PLAIN, 13));

JButton btnReturnBook = new JButton("Return Book"); btnReturnBook.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { ReturnBook.main(new String[]{}); frame.dispose();

}

});

btnReturnBook.setFont(new Font("Tahoma", Font.PLAIN, 13));

JButton btnLogout = new JButton("Logout"); btnLogout.addActionListener(new ActionListener() { public void actionPerformed(ActionEvent e) { Library.main(new String[]{}); frame.dispose();

}

});

btnLogout.setFont(new Font("Tahoma", Font.PLAIN, 13)); GroupLayout gl\_contentPane = new GroupLayout(contentPane); gl\_contentPane.setHorizontalGroup(

gl\_contentPane.createParallelGroup(Alignment.LEADING)

.addGroup(Alignment.TRAILING,

gl\_contentPane.createSequentialGroup()

.addContainerGap(81, Short.MAX\_VALUE)

.addComponent(lblLibrarianSection)

.addGap(54))

.addGroup(gl\_contentPane.createSequentialGroup()

.addGap(132)

.addGroup(gl\_contentPane.createParallelGroup(Alignment.LEADING)

.addComponent(btnLogout, GroupLayout.PREFERRED\_SIZE, 191,

GroupLayout.PREFERRED\_SIZE)

.addComponent(btnReturnBook, GroupLayout.PREFERRED\_SIZE, 191, GroupLayout.PREFERRED\_SIZE)

.addComponent(btnViewIssuedBooks,

GroupLayout.PREFERRED\_SIZE, 191, GroupLayout.PREFERRED\_SIZE)

.addComponent(btnIssueBook,

GroupLayout.PREFERRED\_SIZE, 191, GroupLayout.PREFERRED\_SIZE)

.addComponent(btnViewBooks,

GroupLayout.PREFERRED\_SIZE, 191, GroupLayout.PREFERRED\_SIZE)

.addComponent(btnNewButton,

GroupLayout.PREFERRED\_SIZE, 191, GroupLayout.PREFERRED\_SIZE))

.addContainerGap(101, Short.MAX\_VALUE))

);

gl\_contentPane.setVerticalGroup(

gl\_contentPane.createParallelGroup(Alignment.LEADING) .addGroup(gl\_contentPane.createSequentialGroup()

.addContainerGap()

.addComponent(lblLibrarianSection)

.addGap(18)

.addComponent(btnNewButton,

GroupLayout.PREFERRED\_SIZE, 37, GroupLayout.PREFERRED\_SIZE)

.addGap(18)

.addComponent(btnViewBooks,

GroupLayout.PREFERRED\_SIZE, 37, GroupLayout.PREFERRED\_SIZE)

.addGap(18)

.addComponent(btnIssueBook,

GroupLayout.PREFERRED\_SIZE, 37, GroupLayout.PREFERRED\_SIZE)

.addGap(18)

.addComponent(btnViewIssuedBooks,

GroupLayout.PREFERRED\_SIZE, 37, GroupLayout.PREFERRED\_SIZE)

.addGap(18)

.addComponent(btnReturnBook,

GroupLayout.PREFERRED\_SIZE, 37, GroupLayout.PREFERRED\_SIZE)

.addGap(18)

.addComponent(btnLogout, GroupLayout.PREFERRED\_SIZE,

37, GroupLayout.PREFERRED\_SIZE)

.addContainerGap(16, Short.MAX\_VALUE))

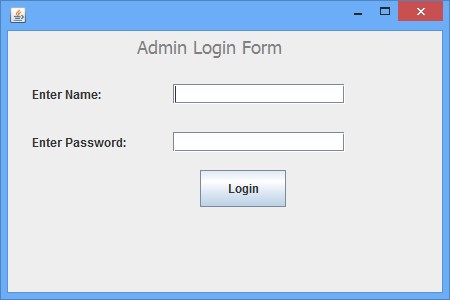
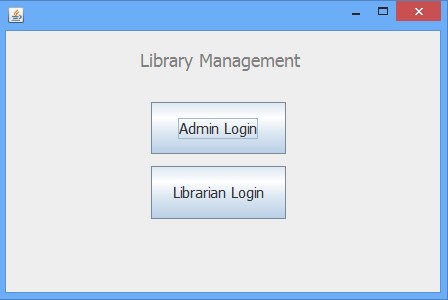
);

contentPane.setLayout(gl\_contentPane);

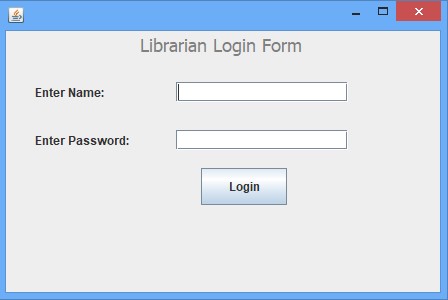
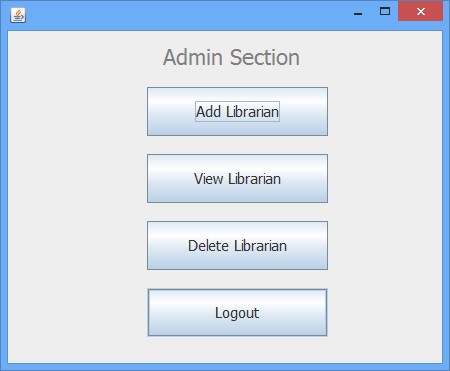
}

}

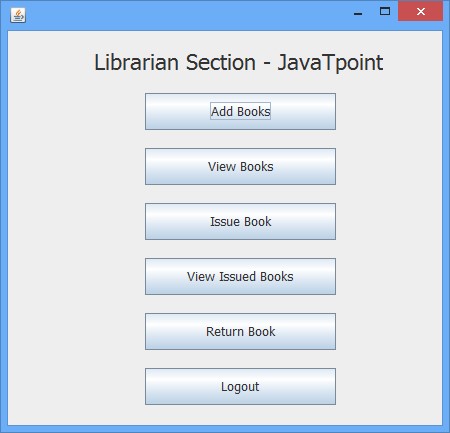
**Library.java: AdminLogin.java:**



**AdminSuccess.java: LibrarianLogin.java:**



**LibrarianSuccess.java:**



**B.**

import javax.swing.JOptionPane;

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

/\*\*

\*

\* @author CS30

\*/

public class NewJFrame extends javax.swing.JFrame {

/\*\*

\* Creates new form NewJFrame

\*/

int counter =3;

public NewJFrame() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

txt1 = new javax.swing.JTextField();

txt2 = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setText("USERNAME");

jLabel2.setText("PASSWORD");

txt1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

txt1ActionPerformed(evt);

}

});

jButton1.setText("SIGN IN");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(27, 27, 27)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel1)

.addComponent(jLabel2))

.addGap(42, 42, 42)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(txt1, javax.swing.GroupLayout.DEFAULT\_SIZE, 102, Short.MAX\_VALUE)

.addComponent(txt2)))

.addGroup(layout.createSequentialGroup()

.addGap(52, 52, 52)

.addComponent(jButton1)))

.addContainerGap(172, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(35, 35, 35)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel1)

.addComponent(txt1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel2)

.addComponent(txt2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(36, 36, 36)

.addComponent(jButton1)

.addContainerGap(148, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void txt1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

String user=txt1.getText();

String pass=txt2.getText();

if(user.equals("deveshmz39") && pass.equals("Javaprac"))

{

JOptionPane.showMessageDialog(null,"Successfully login");

} else

{

counter--;

JOptionPane.showMessageDialog(null,"You have "+counter+ " attempt left"); txt1.setText(""); txt2.setText("");

}

if(counter==0)

System.exit(0);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewJFrame.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new NewJFrame().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JLabel jLabel1;

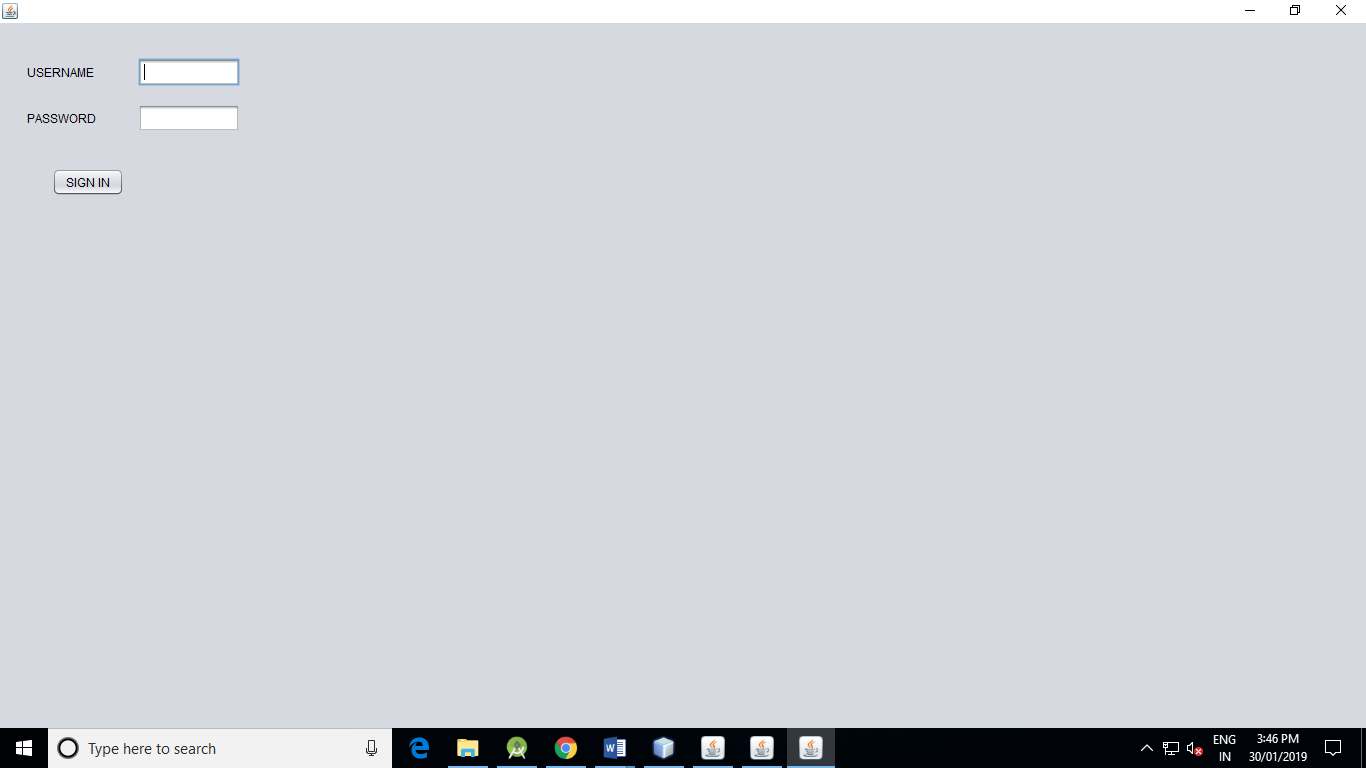
private javax.swing.JLabel jLabel2;

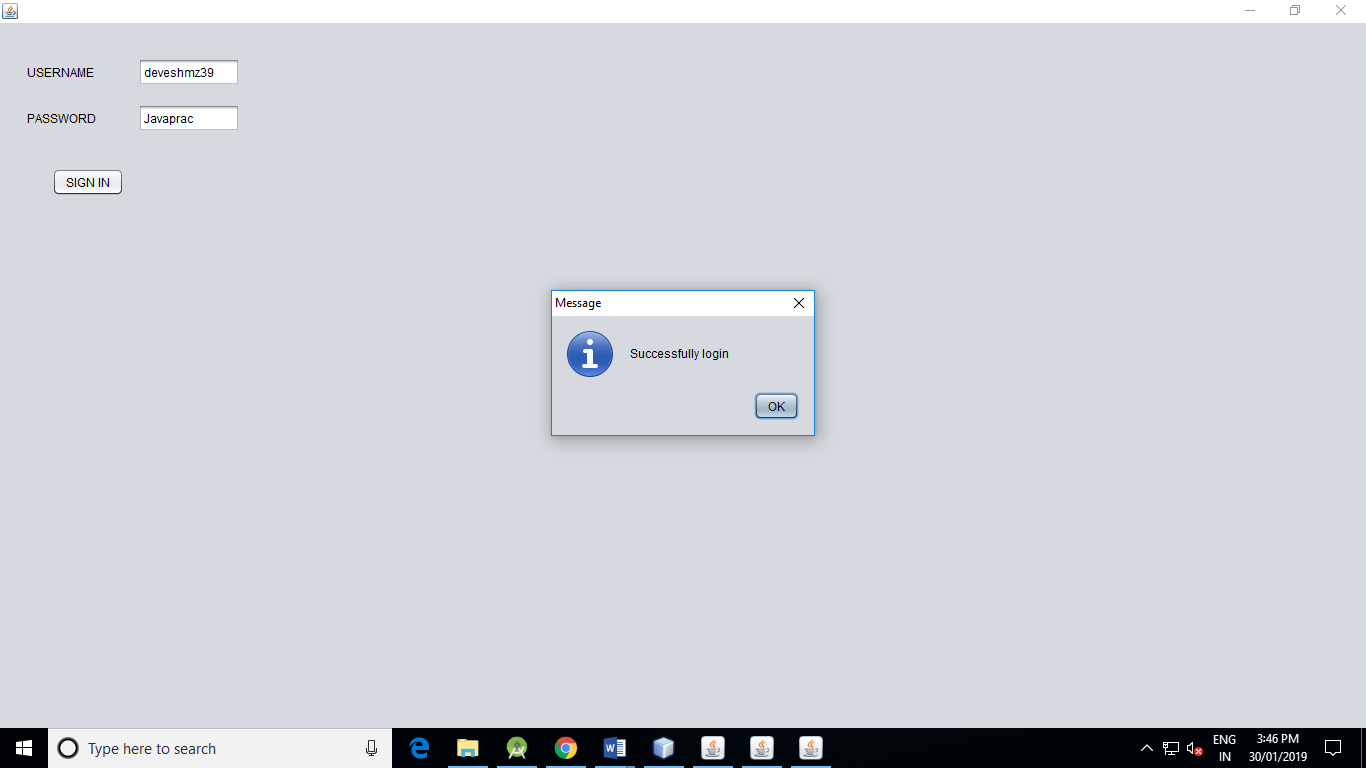
private javax.swing.JTextField txt1;

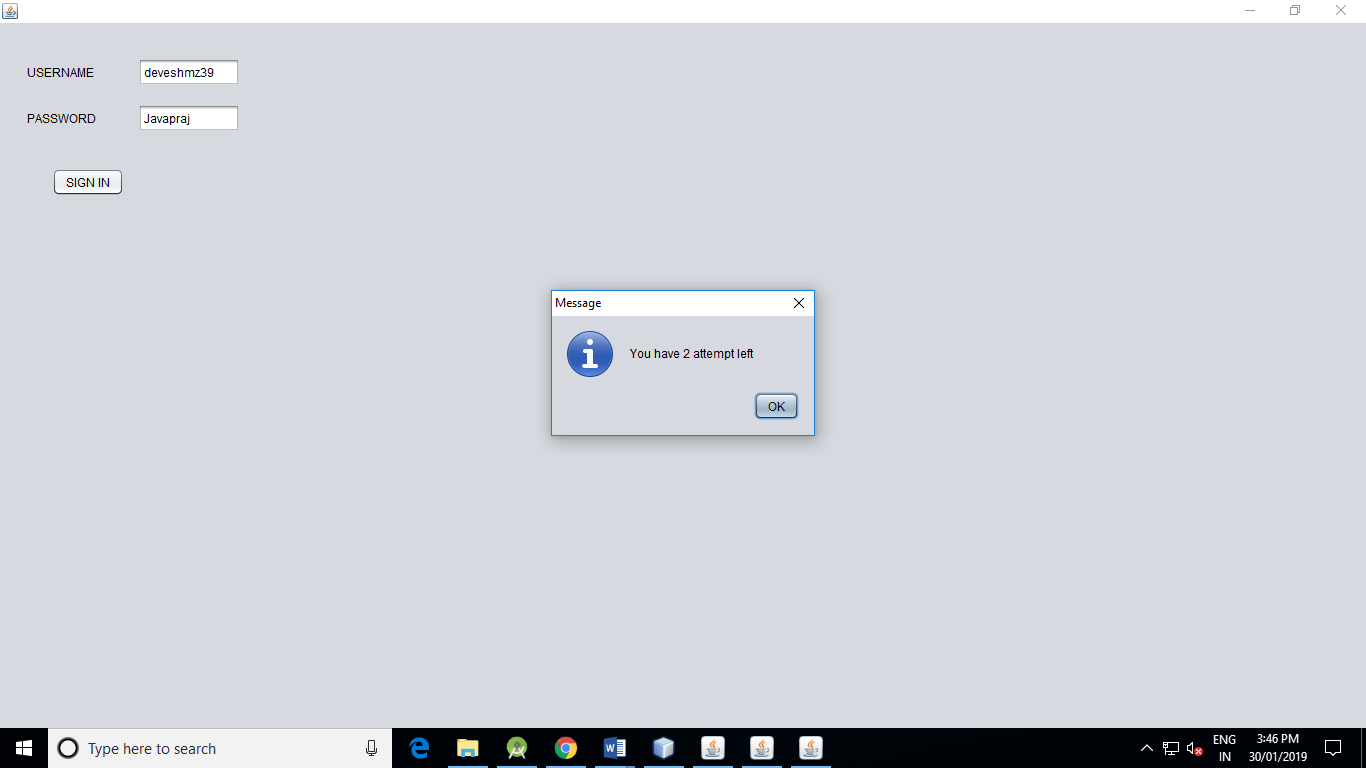
private javax.swing.JTextField txt2;

// End of variables declaration

}

**output:**





**C. REGISTER Form:**

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package javaapplicationtest3;

import static javax.swing.JOptionPane.showMessageDialog;

/\*\*

\*

\* @author Syed Kazim Mehdi

\*/

public class NewJFramet3part1 extends javax.swing.JFrame {

/\*\*

\* Creates new form NewJFramet3part1

\*/

public NewJFramet3part1() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

gender = new javax.swing.ButtonGroup();

jCheckBoxMenuItem1 = new javax.swing.JCheckBoxMenuItem();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

Submit = new javax.swing.JButton();

txtname = new javax.swing.JTextField();

txtlname = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

txtaddress = new javax.swing.JTextArea();

txtemail = new javax.swing.JTextField();

jRadioButton1 = new javax.swing.JRadioButton();

jRadioButton2 = new javax.swing.JRadioButton();

jRadioButton3 = new javax.swing.JRadioButton();

cbSwimming = new javax.swing.JCheckBox();

cbDancing = new javax.swing.JCheckBox();

cbReading = new javax.swing.JCheckBox();

cbRiding = new javax.swing.JCheckBox();

cbGymnastic = new javax.swing.JCheckBox();

cbMeditating = new javax.swing.JCheckBox();

jComboBox1 = new javax.swing.JComboBox<>();

jCheckBox1 = new javax.swing.JCheckBox();

jCheckBoxMenuItem1.setSelected(true);

jCheckBoxMenuItem1.setText("jCheckBoxMenuItem1");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setText("First Name:");

jLabel2.setText("Last Name:");

jLabel3.setText("Email");

jLabel4.setText("Address");

jLabel5.setText("Gender:");

jLabel6.setText("Hobbies:");

jLabel7.setText("Qualification:");

Submit.setText("Submit");

Submit.setEnabled(false);

Submit.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SubmitActionPerformed(evt);

}

});

txtname.setText("jTextField1");

txtlname.setText("jTextField2");

txtaddress.setColumns(20);

txtaddress.setRows(4);

jScrollPane1.setViewportView(txtaddress);

txtemail.setText("jTextField3");

gender.add(jRadioButton1);

jRadioButton1.setText("M");

gender.add(jRadioButton2);

jRadioButton2.setText("F");

gender.add(jRadioButton3);

jRadioButton3.setText("Decline to State");

cbSwimming.setText("Swimming");

cbDancing.setText("Dancing");

cbDancing.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

cbDancingActionPerformed(evt);

}

});

cbReading.setText("Reading");

cbRiding.setText("Riding");

cbGymnastic.setText("Gymnastic");

cbMeditating.setText("Meditating");

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "HSC", "SSC", "Grad", "P.grad" }));

jCheckBox1.setText("Agree ,if the following informations is correct");

jCheckBox1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jCheckBox1ActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel7)

.addGap(18, 18, 18)

.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(Submit)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel1)

.addComponent(jLabel2)

.addComponent(jLabel3))

.addGap(36, 36, 36)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtlname, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtname, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(txtemail, javax.swing.GroupLayout.PREFERRED\_SIZE, 119, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel4)

.addComponent(jLabel5)

.addComponent(jLabel6))

.addGap(34, 34, 34)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

.addComponent(jRadioButton1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jRadioButton3))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(cbSwimming)

.addComponent(cbRiding))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(cbDancing)

.addComponent(cbGymnastic))

.addGap(26, 26, 26)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(cbMeditating)

.addComponent(cbReading)))))

.addComponent(jCheckBox1))

.addContainerGap(57, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(19, 19, 19)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel1)

.addComponent(txtname, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel2)

.addComponent(txtlname, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3)

.addComponent(txtemail, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel4)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 20, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(jRadioButton1)

.addComponent(jRadioButton2)

.addComponent(jRadioButton3))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(cbSwimming)

.addComponent(cbDancing)

.addComponent(cbReading))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(cbRiding)

.addComponent(cbGymnastic)

.addComponent(cbMeditating))

.addGap(11, 11, 11)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(26, 26, 26)

.addComponent(jCheckBox1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(Submit)

.addContainerGap())

);

pack();

}// </editor-fold>

private void SubmitActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

String mygender="";

String myhobbies="";

if(jRadioButton1.isSelected())

mygender="Male";

else if(jRadioButton2.isSelected())

mygender="Female";

else if(jRadioButton3.isSelected())

mygender="Decline to State";

String myqualifications=jComboBox1.getSelectedItem().toString();

if(cbSwimming.isSelected())

myhobbies=myhobbies+"Swiming ";

if(cbGymnastic.isSelected())

myhobbies=myhobbies+" Gymnastic";

if(cbMeditating.isSelected())

myhobbies=myhobbies+" Meditating";

String x=String.format("\n\n\n%-30s%s\n"+"%-30s%s\n"+"%-30s%s\n"+"%-30s%s\n"+"%-30s%s\n"+"%-30s%s\n"+"%-30s%s\n","first name:",txtname.getText(),"Last name:",txtlname.getText(),"Address:",txtaddress.getText(),"Email:",txtemail.getText(),

"My Hobbies",myhobbies,"Qualification:",myqualifications,"mygender",mygender);

showMessageDialog(null,x);

}

private void cbDancingActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

private void jCheckBox1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

if(jCheckBox1.isSelected())

Submit.setEnabled(true);

if(!jCheckBox1.isSelected())

Submit.setEnabled(false);

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(NewJFramet3part1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewJFramet3part1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewJFramet3part1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewJFramet3part1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new NewJFramet3part1().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton Submit;

private javax.swing.JCheckBox cbDancing;

private javax.swing.JCheckBox cbGymnastic;

private javax.swing.JCheckBox cbMeditating;

private javax.swing.JCheckBox cbReading;

private javax.swing.JCheckBox cbRiding;

private javax.swing.JCheckBox cbSwimming;

private javax.swing.ButtonGroup gender;

private javax.swing.JCheckBox jCheckBox1;

private javax.swing.JCheckBoxMenuItem jCheckBoxMenuItem1;

private javax.swing.JComboBox<String> jComboBox1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JRadioButton jRadioButton1;

private javax.swing.JRadioButton jRadioButton2;

private javax.swing.JRadioButton jRadioButton3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTextArea txtaddress;

private javax.swing.JTextField txtemail;

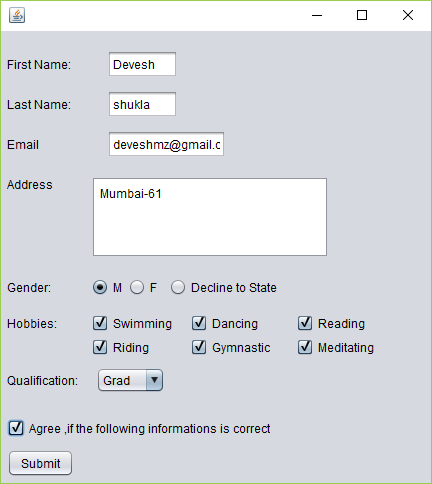
private javax.swing.JTextField txtlname;

private javax.swing.JTextField txtname;

// End of variables declaration

}

Output:.-





**D)**

working with combobox (Even/Odd,Factorial,Prime Number)

**/\***

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

package javaapplicationtest2;

import static javax.swing.JOptionPane.showMessageDialog;

/\*\*

\*

\* @author devesh shukla

\*/

public class NewJFramet2part1 extends javax.swing.JFrame {

/\*\*

\* Creates new form NewJFramet2part1

\*/

public NewJFramet2part1() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

jComboBox1 = new javax.swing.JComboBox<>();

txtno = new javax.swing.JTextField();

jButton1 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jLabel1.setText("Enter No:");

jLabel2.setText("Select Operation:");

jComboBox1.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Even\_Odd", "Prime\_Composite", "Factorial" }));

txtno.setText("jTextField1");

jButton1.setText("jButton1");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(26, 26, 26)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton1)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel2)

.addComponent(jLabel1))

.addGap(37, 37, 37)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txtno, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(146, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(31, 31, 31)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel1)

.addComponent(txtno, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel2)

.addComponent(jComboBox1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addComponent(jButton1)

.addContainerGap(170, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

String op=jComboBox1.getSelectedItem()+""; //.toString()

if(op.equals("Even\_Odd")){

int num=Integer.parseInt(txtno.getText());

if(num%2==0)

{

showMessageDialog(null,"number "+num+" is even");

}

else

{

showMessageDialog(null,"number "+num+" is odd");

}

}

if(op.equals("Factorial")){

int fact=1;

int n1=Integer.parseInt(txtno.getText());

for(int i=1;i<=n1;i++)

{

fact=fact\*i;

}

showMessageDialog(null,"Factorial of number is"+fact);

}

if(op.equals("Prime\_Composite")){

int flag=0;

int n=Integer.parseInt(txtno.getText());

for(int j=2;j<=n/2;j++)

{

if(n%j==0)

{

flag=0;

break;

}

else

{

flag=1;

}

}

if(flag==1)

showMessageDialog(null,"prime number");

else

showMessageDialog(null,"Composite number");

}

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(NewJFramet2part1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(NewJFramet2part1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(NewJFramet2part1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(NewJFramet2part1.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new NewJFramet2part1().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JComboBox<String> jComboBox1;

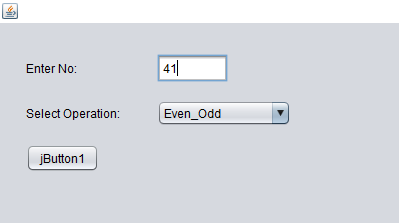
private javax.swing.JLabel jLabel1;

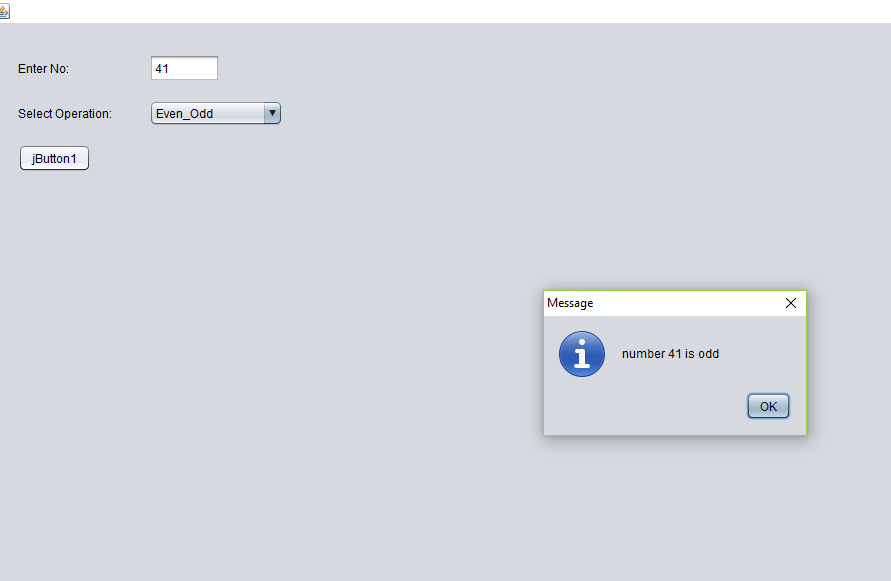
private javax.swing.JLabel jLabel2;

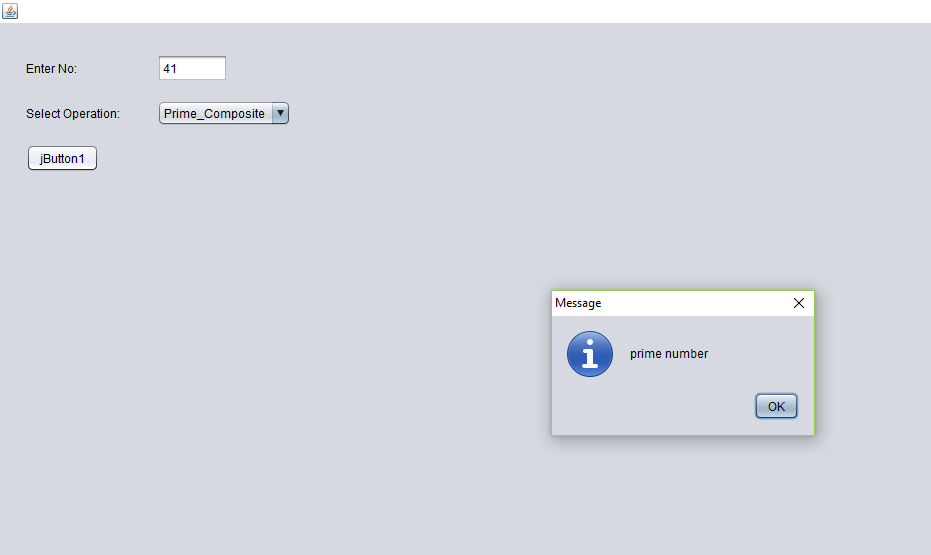
private javax.swing.JTextField txtno;

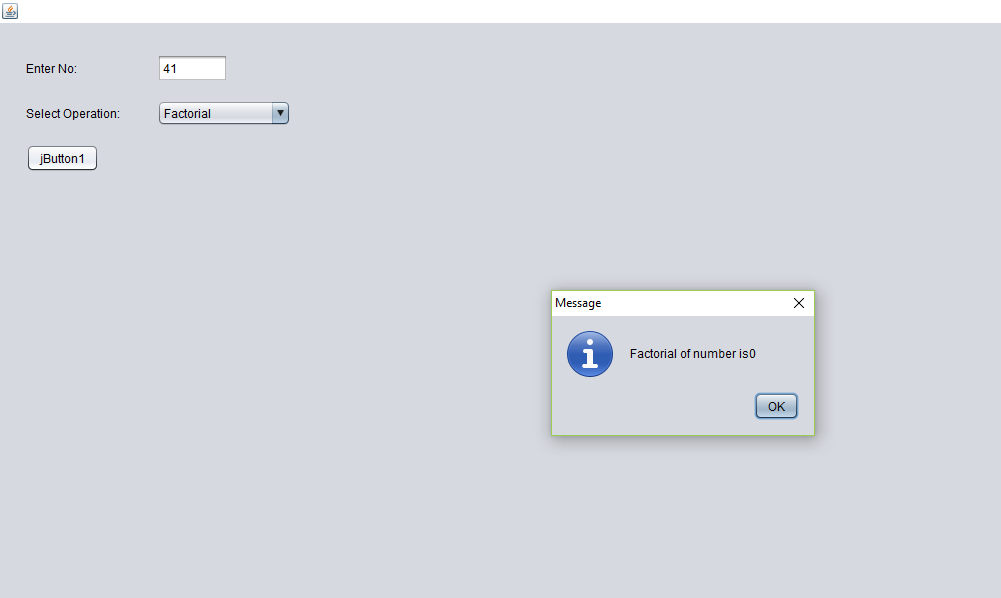
// End of variables declaration

}



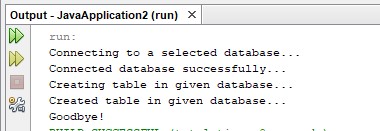






**PRACTICAL 2:**

**A. Design suitable database for Library Management System. Output:**



**In a similar manner we can create the tables for books table thus completing the database structure: LibCreate.java** package javaapplication7; import java.sql.\*;

public class LibCreate {

// JDBC driver name and database URL static final String JDBC\_DRIVER = "com.mysql.jdbc.Driver"; static final String DB\_URL = "jdbc:mysql://localhost/STUDENTS";

// Database credentials static final String USER = "username";

static final String PASS = "password";

public static void main(String[] args) {

Connection conn = null; Statement stmt = null;

try{

//STEP 2: Register JDBC driver

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

//STEP 3: Open a connection

System.out.println("Connecting to a selected database..."); conn = DriverManager.getConnection(DB\_URL, USER, PASS);

System.out.println("Connected database successfully...");

//STEP 4: Execute a query

System.out.println("Creating table in given database..."); stmt = conn.createStatement();

String sql = "CREATE TABLE Librarian " +

"(id INTEGER not NULL, " +

" name VARCHAR(255), " +

"password VARCHAR(255), " +

"email VARCHAR(255), " +

"adderss VARCHAR(255), " +

"city VARCHAR(255), " +

"contact VARCHAR(255), " +

" PRIMARY KEY ( id ))";

stmt.executeUpdate(sql);

System.out.println("Created table in given database...");

}catch(SQLException se){ //Handle errors for JDBC se.printStackTrace();

}catch(Exception e){

//Handle errors for Class.forName e.printStackTrace();

}finally{

//finally block used to close resources

try{ if(stmt!=null)

conn.close(); }catch(SQLException se){ }// do nothing try{ if(conn!=null)

conn.close();

}catch(SQLException se){ se.printStackTrace();

}//end finally try

}//end try

System.out.println("Goodbye!");

}//end main

}//end LibCreate

**Similarly we can create the tables for books table thus completing the database structure.**

**PRACTICAL 3:**

**A. LOGIN FORM:**

**Code:**

import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet; import javax.swing.JOptionPane;

/\*\*

@author devesh

\*/

public class login extends javax.swing.JFrame {

/\*\*

Creates new form login

\*/ public login() {

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code"> private void initComponents() {

jLabel1 = new javax.swing.JLabel(); jLabel2 = new javax.swing.JLabel(); txt1 = new javax.swing.JTextField(); jButton1 = new javax.swing.JButton(); jButton2 = new javax.swing.JButton(); chk = new javax.swing.JCheckBox();

jPasswordField1 = new javax.swing.JPasswordField();

jLabel4 = new javax.swing.JLabel(); jLabel3 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE); getContentPane().setLayout(null);

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel1.setText("USERNAME"); getContentPane().add(jLabel1);

jLabel1.setBounds(103, 84, 61, 15);

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel2.setText("PASSWORD"); getContentPane().add(jLabel2);

jLabel2.setBounds(99, 134, 65, 15);

txt1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) { txt1ActionPerformed(evt);

}

});

getContentPane().add(txt1); txt1.setBounds(182, 82, 150, 30);

jButton1.setText("LOGIN"); jButton1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton1ActionPerformed(evt);

}

});

getContentPane().add(jButton1);

jButton1.setBounds(100, 230, 70, 30);

jButton2.setText("CLEAR"); jButton2.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton2ActionPerformed(evt);

}

});

getContentPane().add(jButton2);

jButton2.setBounds(205, 230, 90, 30);

chk.setText("Show Password"); chk.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { chkActionPerformed(evt);

}

});

getContentPane().add(chk); chk.setBounds(100, 180, 160, 23); getContentPane().add(jPasswordField1); jPasswordField1.setBounds(182, 132, 150, 30);

jLabel4.setFont(new java.awt.Font("Segoe Print", 1, 18)); // NOI18N jLabel4.setText("LOGIN FORM"); getContentPane().add(jLabel4); jLabel4.setBounds(130, 20, 150, 30);

jLabel3.setIcon(new javax.swing.ImageIcon(getClass().getResource("/log image.jpg"))); // NOI18N

jLabel3.setText("jLabel3"); getContentPane().add(jLabel3);

jLabel3.setBounds(0, 0, 400, 300); pack();

}// </editor-fold> private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here: try

{

Class.forName("java.sql.Driver");

Connection

conn=DriverManager.getConnection("jdbc:mysql://localhost/college","root","devesh");

String query="select\*from login where username=? and password=?";

PreparedStatement pst=conn.prepareStatement(query);

pst.setString(1, txt1.getText());

pst.setString(2, jPasswordField1.getText());

ResultSet rs=pst.executeQuery(); if(rs.next())

JOptionPane.showMessageDialog(null, "Correct Credential"); else

JOptionPane.showMessageDialog(null, "Incorrect Credential"); conn.close();

}

catch(Exception e)

{

JOptionPane.showMessageDialog(null,e);

}

}

private void txt1ActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here:

}

private void chkActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here:

if(chk.isSelected())

{

jPasswordField1.setEchoChar((char)0);

} else

{

jPasswordField1.setEchoChar('\*');

}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { txt1.setText("");

jPasswordField1.setText(null);

}

/\*\*

@param args the command line arguments

\*/

public static void main(String args[]) {

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) "> /\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

For details see <http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html>

\*/ try { for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) { if ("Nimbus".equals(info.getName())) { javax.swing.UIManager.setLookAndFeel(info.getClassName()); break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() { public void run() {

new login().setVisible(true);

}

}); }

// Variables declaration - do not modify

private javax.swing.JCheckBox chk; private javax.swing.JButton jButton1; private javax.swing.JButton jButton2; private javax.swing.JLabel jLabel1; private javax.swing.JLabel jLabel2; private javax.swing.JLabel jLabel3; private javax.swing.JLabel jLabel4;

private javax.swing.JPasswordField jPasswordField1;

private javax.swing.JTextField txt1;

// End of variables declaration }

**DATABASE:**

**mysql> use college; Database changed mysql> select \*from login;**

**+----------+----------+**

**| username | password |**

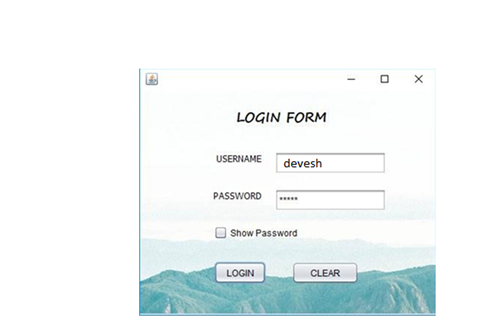
**+----------+----------+**

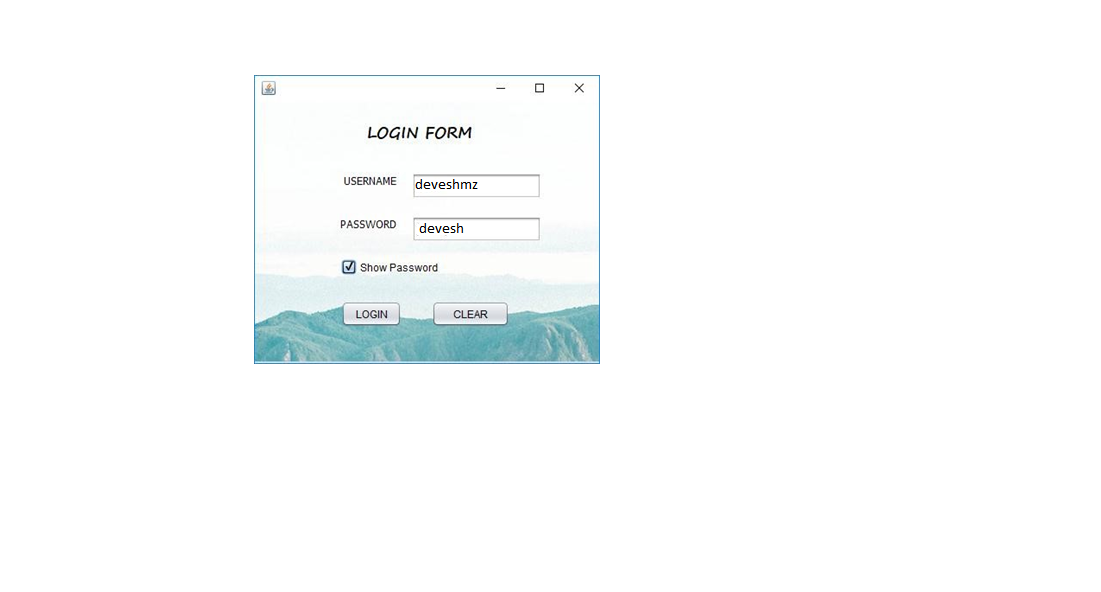
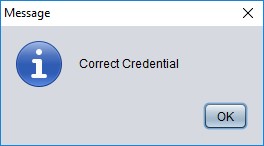
**| deveshmz | devesh |**

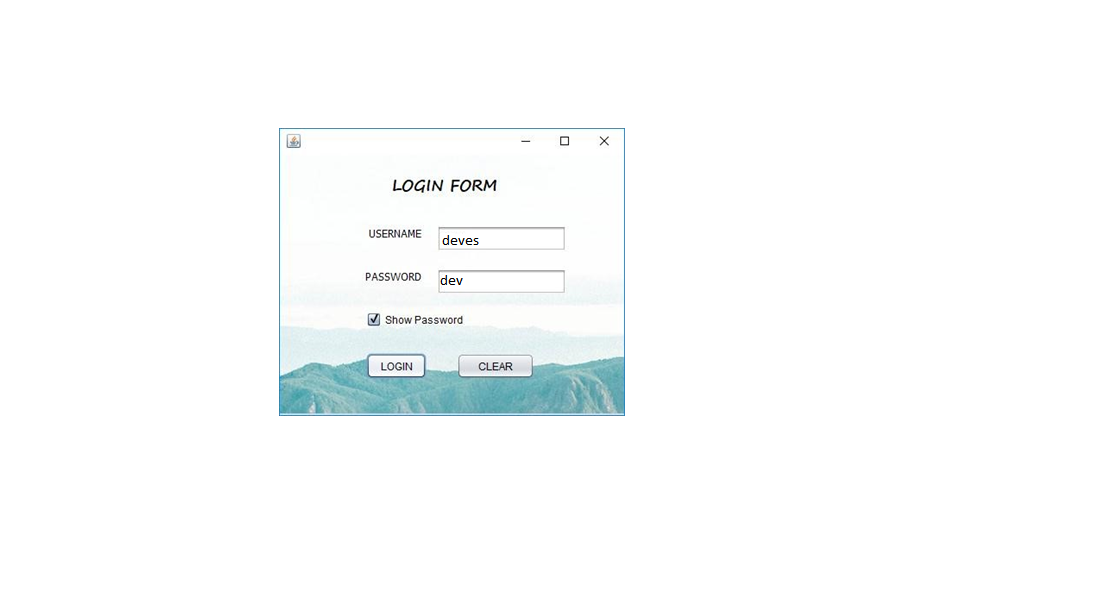
**+----------+----------+**

**1 rows in set (0.22 sec)**

**OUTPUT:**







**B. REGISTRATION FORM:**

**Code:** import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet; import javax.swing.JOptionPane;

/\*\*

@author devesh

\*/

public class Registration extends javax.swing.JFrame {

/\*\*

Creates new form Registration

\*/

public Registration() {

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code"> private void initComponents() {

buttonGroup1 = new javax.swing.ButtonGroup();

jLabel1 = new javax.swing.JLabel(); jLabel2 = new javax.swing.JLabel(); jLabel4 = new javax.swing.JLabel(); jLabel6 = new javax.swing.JLabel(); txt1 = new javax.swing.JTextField(); txt2 = new javax.swing.JTextField(); combop = new javax.swing.JComboBox(); rdbmale = new javax.swing.JRadioButton(); rdbfemale = new javax.swing.JRadioButton(); rdbother = new javax.swing.JRadioButton(); jLabel3 = new javax.swing.JLabel(); txt3 = new javax.swing.JTextField(); jLabel5 = new javax.swing.JLabel(); txt4 = new javax.swing.JTextField(); jLabel7 = new javax.swing.JLabel(); jPanel1 = new javax.swing.JPanel(); jButton2 = new javax.swing.JButton(); jButton1 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE); getContentPane().setLayout(null);

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel1.setText("Name"); getContentPane().add(jLabel1);

jLabel1.setBounds(10, 92, 31, 15);

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel2.setText("Age"); getContentPane().add(jLabel2);

jLabel2.setBounds(19, 118, 22, 23);

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel4.setText("Gender"); getContentPane().add(jLabel4);

jLabel4.setBounds(10, 193, 40, 23);

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel6.setText("Qualification"); getContentPane().add(jLabel6); jLabel6.setBounds(10, 278, 65, 23); getContentPane().add(txt1); txt1.setBounds(87, 80, 155, 27); getContentPane().add(txt2);

txt2.setBounds(87, 120, 155, 28);

combop.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "SSC", "HSC",

"GRADUATE", "POST GRADUATE" })); getContentPane().add(combop);

combop.setBounds(93, 280, 108, 20);

rdbmale.setBackground(new java.awt.Color(204, 0, 0)); buttonGroup1.add(rdbmale);

rdbmale.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N rdbmale.setText("Male"); getContentPane().add(rdbmale);

rdbmale.setBounds(87, 193, 49, 23);

rdbfemale.setBackground(new java.awt.Color(204, 0, 0)); buttonGroup1.add(rdbfemale);

rdbfemale.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N rdbfemale.setText("Female");

rdbfemale.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { rdbfemaleActionPerformed(evt);

}

});

getContentPane().add(rdbfemale);

rdbfemale.setBounds(154, 193, 63, 23);

rdbother.setBackground(new java.awt.Color(204, 0, 0)); buttonGroup1.add(rdbother);

rdbother.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N rdbother.setText("Others"); getContentPane().add(rdbother);

rdbother.setBounds(235, 193, 63, 23);

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel3.setText("Mobile no");

getContentPane().add(jLabel3); jLabel3.setBounds(10, 159, 52, 15); getContentPane().add(txt3);

txt3.setBounds(87, 159, 155, 28);

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel5.setText("Address"); getContentPane().add(jLabel5);

jLabel5.setBounds(10, 234, 43, 15);

txt4.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { txt4ActionPerformed(evt);

}

});

getContentPane().add(txt4);

txt4.setBounds(87, 232, 154, 28);

jLabel7.setFont(new java.awt.Font("Segoe Script", 1, 18)); // NOI18N jLabel7.setText("REGISTRATION FORM"); getContentPane().add(jLabel7);

jLabel7.setBounds(41, 32, 218, 30);

jPanel1.setBackground(new java.awt.Color(204, 0, 0));

jButton2.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jButton2.setText("Clear"); jButton2.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton2ActionPerformed(evt);

}

});

jButton1.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jButton1.setText("Submit");

jButton1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton1ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1); jPanel1.setLayout(jPanel1Layout); jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addContainerGap(47, Short.MAX\_VALUE)

.addComponent(jButton1)

.addGap(30, 30, 30)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(101, 101, 101))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addContainerGap(362, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE) .addComponent(jButton2)

.addComponent(jButton1))

.addGap(55, 55, 55))

);

getContentPane().add(jPanel1);

jPanel1.setBounds(0, 0, 320, 440);

pack();

}// </editor-fold>

private void rdbfemaleActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here:

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

String gender="";

try {

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

Connection

conn=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","tiger");

String query="insert into

employee(emp\_id,name,age,mobile,gender,address,Qualification)values(emp\_sequence.NEXTVAL,?,

?,?,?,?,?)";

PreparedStatement pst=conn.prepareStatement(query);

pst.setString(1,txt1.getText());

pst.setInt(2,Integer.parseInt(txt2.getText())); pst.setString(3,txt3.getText()); if(rdbmale.isSelected())

{

gender = "Male";

}

if(rdbfemale.isSelected())

{

gender = "Female";

}

if(rdbother.isSelected())

{

gender = "Others";

}

pst.setString(4,gender); pst.setString(5,txt4.getText()); String qualification;

qualification=combop.getSelectedItem().toString(); pst.setString(6,qualification);

pst.executeUpdate();

JOptionPane.showMessageDialog(null,"Insertion Successfully");

conn.close();

}

catch(Exception e)

{

JOptionPane.showMessageDialog(null,e);

}

}

private void txt4ActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here:

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { txt1.setText(""); txt2.setText(""); txt3.setText(""); txt4.setText("");

}

/\*\*

@param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) "> /\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

For details see <http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html>

\*/ try { for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) { if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Registration.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Registration.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Registration.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Registration.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() { public void run() {

new Registration().setVisible(true);

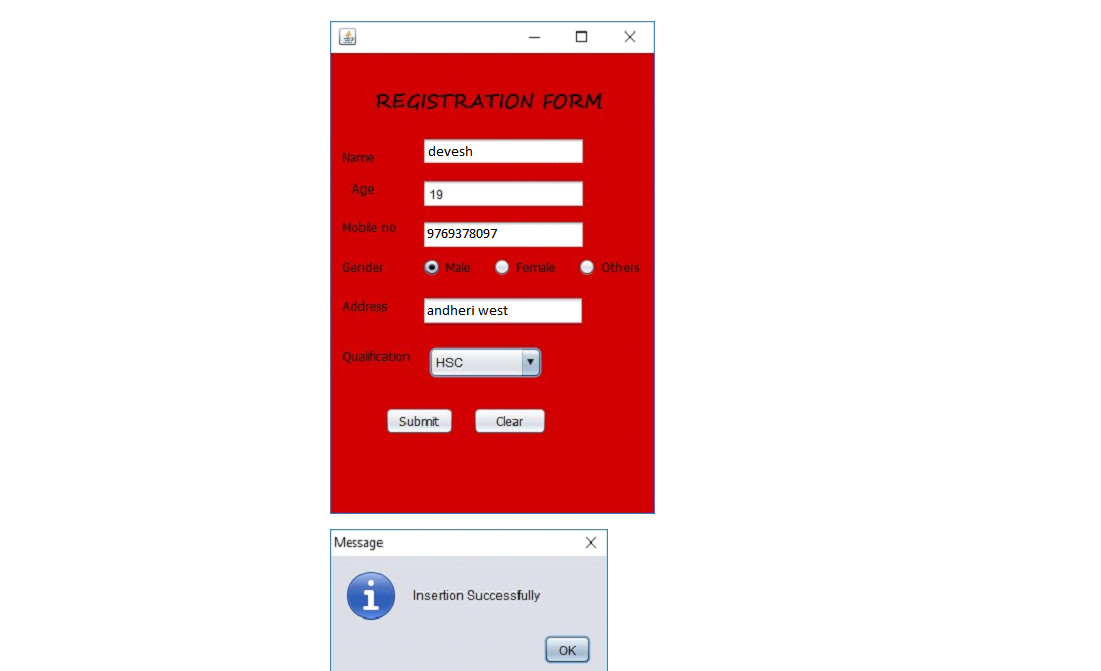
}

}); }

// Variables declaration - do not modify private javax.swing.ButtonGroup buttonGroup1; private javax.swing.JComboBox combop; private javax.swing.JButton jButton1; private javax.swing.JButton jButton2; private javax.swing.JLabel jLabel1; private javax.swing.JLabel jLabel2; private javax.swing.JLabel jLabel3; private javax.swing.JLabel jLabel4; private javax.swing.JLabel jLabel5; private javax.swing.JLabel jLabel6; private javax.swing.JLabel jLabel7; private javax.swing.JPanel jPanel1; private javax.swing.JRadioButton rdbfemale; private javax.swing.JRadioButton rdbmale; private javax.swing.JRadioButton rdbother; private javax.swing.JTextField txt1; private javax.swing.JTextField txt2; private javax.swing.JTextField txt3; private javax.swing.JTextField txt4;

// End of variables declaration }

**OUTPUT:**



SQL> select \*from employee;

EMP\_I NAME AGE MOBILE GENDE ADDRESS

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

QUALIFICATION

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

2 devesh 19 9769378097 Male andheri west

HSC

**C. DELETE FORM**

**CODE:**

import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import javax.swing.JOptionPane;

/\*\*

@author devesh

\*/

public class delete extends javax.swing.JFrame {

/\*\*

Creates new form delete

\*/ public delete() {

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code"> private void initComponents() {

jLabel1 = new javax.swing.JLabel(); jLabel2 = new javax.swing.JLabel(); txt1 = new javax.swing.JTextField(); txt2 = new javax.swing.JTextField(); jButton1 = new javax.swing.JButton(); jButton2 = new javax.swing.JButton(); jPanel1 = new javax.swing.JPanel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE); getContentPane().setLayout(null);

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

jLabel1.setText("Emoloyee Id"); getContentPane().add(jLabel1);

jLabel1.setBounds(95, 93, 76, 17);

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N jLabel2.setText("Name"); getContentPane().add(jLabel2); jLabel2.setBounds(95, 155, 35, 17); getContentPane().add(txt1); txt1.setBounds(197, 89, 124, 28); getContentPane().add(txt2);

txt2.setBounds(197, 151, 124, 28);

jButton1.setText("DELETE"); jButton1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton1ActionPerformed(evt);

}

});

getContentPane().add(jButton1);

jButton1.setBounds(95, 216, 69, 31);

jButton2.setText("CLEAR"); jButton2.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton2ActionPerformed(evt);

}

});

getContentPane().add(jButton2); jButton2.setBounds(218, 216, 65, 31);

jPanel1.setBackground(new java.awt.Color(204, 0, 204));

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "DELETE FORM", javax.swing.border.TitledBorder.CENTER, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe Print", 1, 18))); // NOI18N

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1); jPanel1.setLayout(jPanel1Layout); jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) .addGap(0, 358, Short.MAX\_VALUE)

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) .addGap(0, 218, Short.MAX\_VALUE)

);

getContentPane().add(jPanel1);

jPanel1.setBounds(20, 20, 370, 260);

pack();

}// </editor-fold>

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here:

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here: try

{

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

Connection conn =

DriverManager.getConnection("jdbc:mysql://localhost/college","root","bhavans");

String query="delete from login where id= and name=?"; PreparedStatement pst=conn.prepareStatement(query); pst.setString(1,txt1.getText()); pst.setString(2, txt2.getText());

pst.executeQuery();

JOptionPane.showMessageDialog(null,"Delete successfully"); conn.close();

}

catch(Exception e)

{

JOptionPane.showMessageDialog(null,e);

}

}

/\*\*

@param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) "> /\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/ try { for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) { if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName()); break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(delete.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(delete.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(delete.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(delete.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() { public void run() {

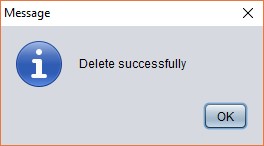
new delete().setVisible(true);

} }); }

// Variables declaration - do not modify

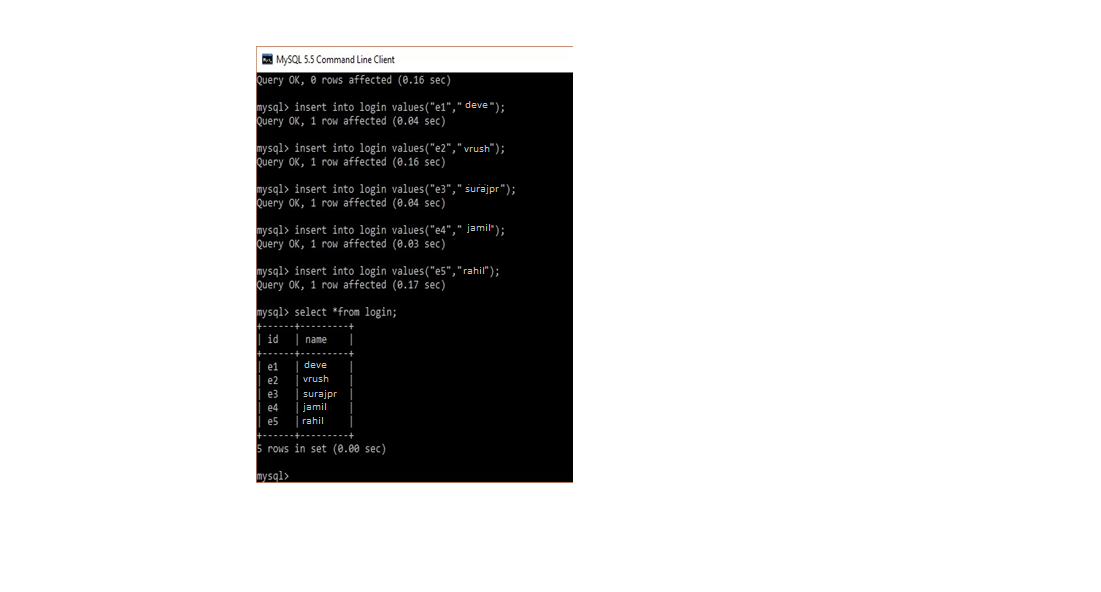
private javax.swing.JButton jButton1; private javax.swing.JButton jButton2; private javax.swing.JLabel jLabel1; private javax.swing.JLabel jLabel2; private javax.swing.JPanel jPanel1; private javax.swing.JTextField txt1; private javax.swing.JTextField txt2;

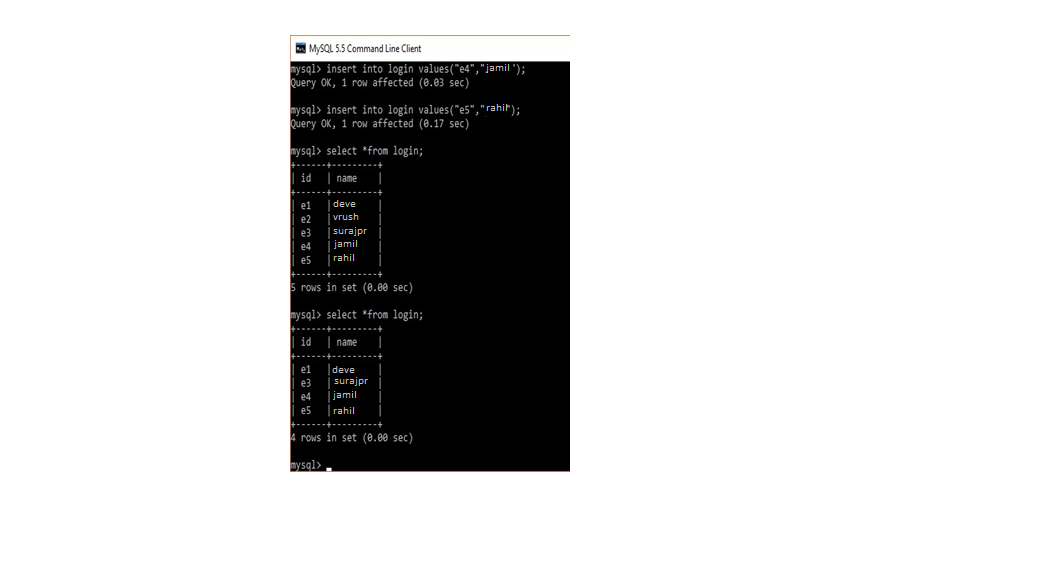
// End of variables declaration }

**OUTPUT:** 



**DATABASE:**

****

****

**D. UPDATE FORM: Code:**

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.swing.JOptionPane;

/\*

To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

/\*\*

@author devesh

\*/

public class UPDATE extends javax.swing.JFrame {

/\*\*

Creates new form UPDATE

\*/

public UPDATE() {

initComponents();

}

/\*\*

This method is called from within the constructor to initialize the form. \* WARNING: Do NOT modify this code. The content of this method is always \* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code"> private void initComponents() {

jLabel1 = new javax.swing.JLabel(); jLabel2 = new javax.swing.JLabel(); jLabel3 = new javax.swing.JLabel(); txt1 = new javax.swing.JTextField(); txt2 = new javax.swing.JTextField(); txt3 = new javax.swing.JTextField(); jButton1 = new javax.swing.JButton(); jButton2 = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE); getContentPane().setLayout(null);

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel1.setText("LOGIN ID"); getContentPane().add(jLabel1);

jLabel1.setBounds(82, 105, 51, 15);

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel2.setText("OLD PASSWORD"); getContentPane().add(jLabel2);

jLabel2.setBounds(82, 149, 92, 15);

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jLabel3.setText("NEW PASSWORD"); getContentPane().add(jLabel3); jLabel3.setBounds(78, 194, 96, 15); getContentPane().add(txt1);

txt1.setBounds(192, 98, 119, 30);

txt2.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { txt2ActionPerformed(evt);

}

});

getContentPane().add(txt2);

txt2.setBounds(192, 146, 119, 30);

txt3.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { txt3ActionPerformed(evt);

}

});

getContentPane().add(txt3);

txt3.setBounds(192, 187, 119, 30);

jButton1.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jButton1.setText("UPDATE"); jButton1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton1ActionPerformed(evt);

}

});

getContentPane().add(jButton1);

jButton1.setBounds(78, 236, 86, 31);

jButton2.setFont(new java.awt.Font("Tahoma", 0, 12)); // NOI18N jButton2.setText("CLEAR"); getContentPane().add(jButton2);

jButton2.setBounds(192, 236, 98, 31);

jPanel1.setBackground(new java.awt.Color(204, 204, 255)); jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "UPDATE FORM", javax.swing.border.TitledBorder.CENTER, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe Print", 1, 18))); // NOI18N

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1); jPanel1.setLayout(jPanel1Layout); jPanel1Layout.setHorizontalGroup( jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) .addGap(0, 398, Short.MAX\_VALUE)

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) .addGap(0, 268, Short.MAX\_VALUE)

);

getContentPane().add(jPanel1);

jPanel1.setBounds(0, 0, 410, 310);

pack();

}// </editor-fold>

private void txt2ActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here:

}

private void txt3ActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here:

}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { try

{

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

Connection

conn=DriverManager.getConnection("jdbc:mysql://localhost/college","root","bhavans");

PreparedStatement pst=conn.prepareStatement("UPDATE login1 SET password=? where id=?"); pst.setString(1,txt1.getText()); pst.setString(2,txt2.getText()); int b=pst.executeUpdate();

JOptionPane.showMessageDialog(null,"password update Successfully");

}

catch(Exception e)

{

JOptionPane.showMessageDialog(null,e);

} }

public static void main(String args[]) { try { for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) { if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName()); break;

}

}

} catch (ClassNotFoundException ex) { java.util.logging.Logger.getLogger(UPDATE.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(UPDATE.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(UPDATE.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(UPDATE.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

java.awt.EventQueue.invokeLater(new Runnable() { public void run() {

new UPDATE().setVisible(true);

}

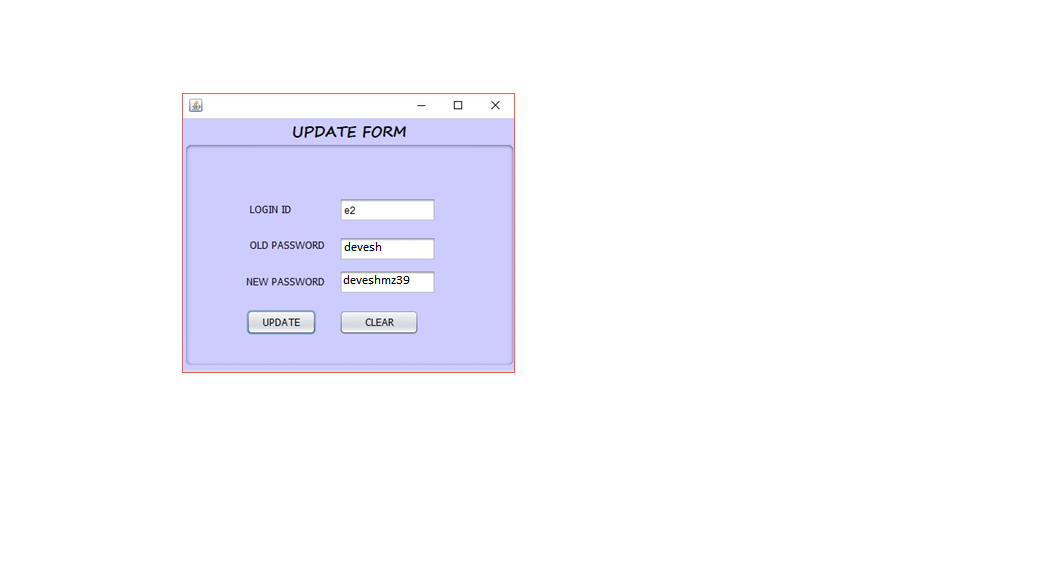
}); }

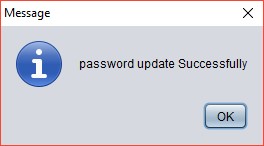
// Variables declaration - do not modify

private javax.swing.JButton jButton1; private javax.swing.JButton jButton2; private javax.swing.JLabel jLabel1; private javax.swing.JLabel jLabel2; private javax.swing.JLabel jLabel3; private javax.swing.JPanel jPanel1; private javax.swing.JTextField txt1; private javax.swing.JTextField txt2; private javax.swing.JTextField txt3;

// End of variables declaration }

**OUTPUT:**





**PRACTICAL NO: 4**

**OUTPUT:**

**Code:** import com.mysql.jdbc.Connection; import com.mysql.jdbc.PreparedStatement; import java.awt.Image; import java.io.File; import java.io.FileInputStream; import java.io.InputStream;

import java.sql.DriverManager; import javax.swing.ImageIcon; import javax.swing.JFileChooser; import javax.swing.JOptionPane;

import javax.swing.filechooser.FileNameExtensionFilter;

/\*\*

@author devesh

\*/

public class image extends javax.swing.JFrame {

String s;

/\*\*

Creates new form image

\*/

public image() {

initComponents();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code"> private void initComponents() {

lblresult = new javax.swing.JLabel(); jButton1 = new javax.swing.JButton(); jButton2 = new javax.swing.JButton(); txt1 = new javax.swing.JTextField(); jScrollPane1 = new javax.swing.JScrollPane(); text = new javax.swing.JTextArea();

txt2 = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jButton1.setText("BROWSE"); jButton1.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton1ActionPerformed(evt);

}

});

jButton2.setText("ADD TO DB");

jButton2.addActionListener(new java.awt.event.ActionListener() { public void actionPerformed(java.awt.event.ActionEvent evt) { jButton2ActionPerformed(evt);

}

});

text.setColumns(20); text.setRows(5);

jScrollPane1.setViewportView(text);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane()); getContentPane().setLayout(layout); layout.setHorizontalGroup( layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING) .addComponent(lblresult, javax.swing.GroupLayout.DEFAULT\_SIZE,

javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addGap(21, 21, 21)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jButton2)

.addGap(18, 18, 18)

.addComponent(txt2, javax.swing.GroupLayout.DEFAULT\_SIZE, 125,

Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addComponent(jButton1)

.addGap(29, 29, 29)

.addComponent(txt1)))

.addGap(18, 18, 18)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(21, 21, 21))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(lblresult, javax.swing.GroupLayout.PREFERRED\_SIZE, 334, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(43, 43, 43)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1)

.addComponent(txt1, javax.swing.GroupLayout.PREFERRED\_SIZE,

javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(28, 28, 28)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton2)

.addComponent(txt2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))) .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)) .addGap(0, 29, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { // TODO add your handling code here: JFileChooser fileChooser = new JFileChooser();

fileChooser.setCurrentDirectory(new File(System.getProperty("user.home")));

FileNameExtensionFilter filter = new FileNameExtensionFilter("\*.IMAGE", "jpg","gif","png"); fileChooser.addChoosableFileFilter(filter);

int result = fileChooser.showSaveDialog(null); if(result == JFileChooser.APPROVE\_OPTION){ File selectedFile = fileChooser.getSelectedFile(); String path = selectedFile.getAbsolutePath(); lblresult.setIcon(ResizeImage(path)); s = path;

}

else if(result == JFileChooser.CANCEL\_OPTION){

System.out.println("No Data");

}

}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

try

{

Connection conn = (Connection)

DriverManager.getConnection("jdbc:mysql://localhost/college","root","jammy"); PreparedStatement ps =(PreparedStatement) conn.prepareStatement("insert into myimages(ID,Name,Description,Image) values(?,?,?,?)");

InputStream is = new FileInputStream(new File(s));

ps.setString(1,txt1.getText()); ps.setString(2, txt2.getText()); ps.setString(3, text.getText());

ps.setBlob(4,is); ps.executeUpdate();

JOptionPane.showMessageDialog(null, "Data Inserted");

}

catch(Exception ex){

ex.printStackTrace();

}

}

public ImageIcon ResizeImage(String imgPath){ ImageIcon MyImage = new ImageIcon(imgPath);

Image img = MyImage.getImage();

Image newImage = img.getScaledInstance(lblresult.getWidth(),

lblresult.getHeight(),Image.SCALE\_SMOOTH); ImageIcon image = new ImageIcon(newImage); return image;

}

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) "> /\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see <http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html>

\*/ try { for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) { if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName()); break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(image.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(image.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(image.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(image.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() { public void run() {

new image().setVisible(true);

}

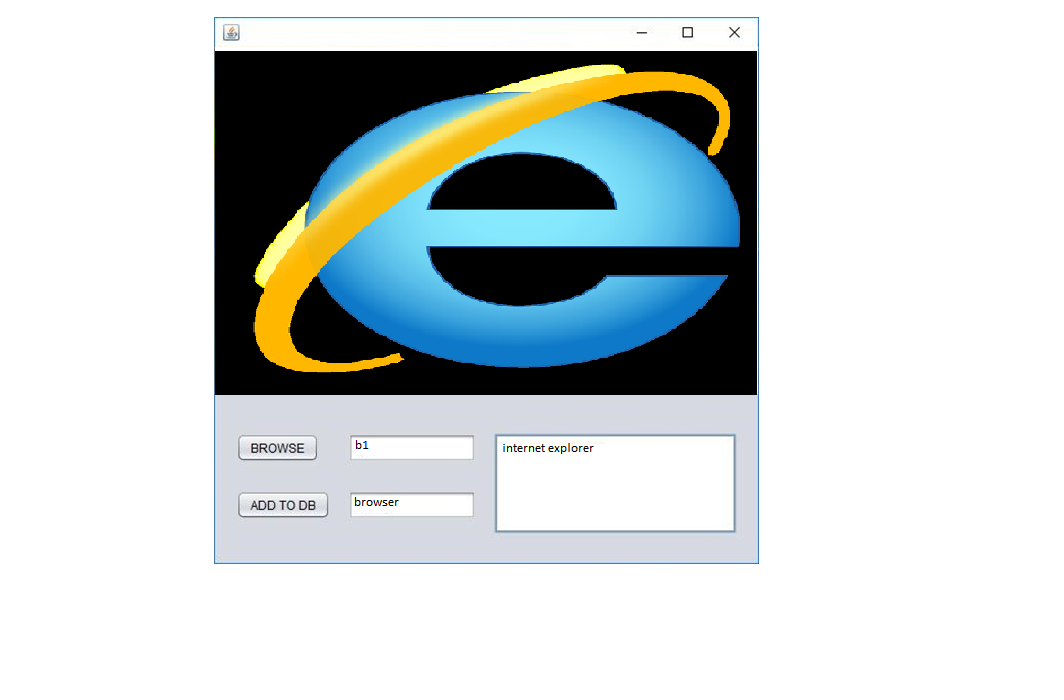
});

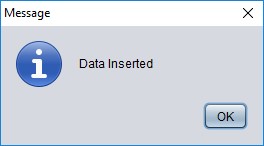
}

// Variables declaration - do not modify

private javax.swing.JButton jButton1; private javax.swing.JButton jButton2; private javax.swing.JScrollPane jScrollPane1; private javax.swing.JLabel lblresult; private javax.swing.JTextArea text; private javax.swing.JTextField txt1; private javax.swing.JTextField txt2;

// End of variables declaration }

****



**PRACTICAL NO:04**

import java.awt.Image;

import java.beans.Statement;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import javax.swing.ImageIcon;

import javax.swing.JOptionPane;

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

/\*\*

\*

\* @author Jamil Shaikh

\*/

public class prac4 extends javax.swing.JFrame {

/\*\*

\* Creates new form prac4

\*/

public prac4() {

initComponents();

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">

private void initComponents() {

jButton1 = new javax.swing.JButton();

lblresult = new javax.swing.JLabel();

txt = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

jButton1.setText("Retrive");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

txt.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

txtActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(lblresult, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addGap(75, 75, 75)

.addComponent(jButton1)

.addGap(34, 34, 34)

.addComponent(txt, javax.swing.GroupLayout.PREFERRED\_SIZE, 136, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(88, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(lblresult, javax.swing.GroupLayout.PREFERRED\_SIZE, 239, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton1)

.addComponent(txt, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(20, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

try{

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

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

String query="select \* from mytable where ID = '"+txt.getText()+"'";

PreparedStatement st = con.prepareStatement(query);

ResultSet rs = st.executeQuery();

if(rs.next()){

byte[] img = rs.getBytes("Image");

//Resize The ImageIcon

ImageIcon image = new ImageIcon(img);

Image im = image.getImage();

Image myImg = im.getScaledInstance(lblresult.getWidth(), lblresult.getHeight(),Image.SCALE\_SMOOTH);

ImageIcon newImage = new ImageIcon(myImg);

lblresult.setIcon(newImage);

}

else{

JOptionPane.showMessageDialog(null, "No Data");

}

}catch(Exception ex){

ex.printStackTrace();

}

}

private void txtActionPerformed(java.awt.event.ActionEvent evt) {

// TODO add your handling code here:

}

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see <http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html>

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(prac4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(prac4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(prac4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(prac4.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new prac4().setVisible(true);

}

});

}

// Variables declaration - do not modify

private javax.swing.JButton jButton1;

private javax.swing.JLabel lblresult;

private javax.swing.JTextField txt;

// End of variables declaration

}

OUTPUT:



**PRACTICAL NO:05 INDEX.HTML:**

<!DOCTYPE html>

<!--

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-->

<html>

<head>

<title>TODO supply a title</title>

<meta charset="UTF-8">

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

<form action="lifecycle">

<h2>Servlet Life Cycle</h2>

<input type="submit" value="click to proceed">

</form>

</html>

**lifecycle.java**

/\*

To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

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;

/\*\*

\*

@author devesh shukla

\*/

public class lifecycle2 extends HttpServlet {

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

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

}

}

private String output;

@Override public void init() throws ServletException{

System.out.println("Servlet Started");

}

@Override

public void doGet(HttpServletRequest req,HttpServletResponse resp)

throws ServletException,IOException{ resp.setContentType("text/html");

PrintWriter out=resp.getWriter();

System.out.println(output);

}

@Override

public void destroy(){

System.out.println("Destroyed");

}

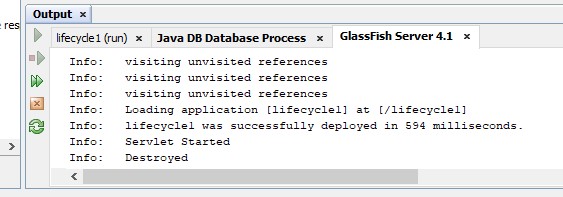
@Override public String getServletInfo(){

return"Short description";

}

}

**OUTPUT:**



**Practical No: 6**

**A) Register user**

Index.html for registration

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties. To change this template file, choose Tools | Templates and open the template in the editor.

-->

<html>

<head>

<title>Register</title>

<meta charset="UTF-8">

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

<body>

<form action="regi1" method="post">

Fname :<input type="text" name="fname"/><br>

Lname :<input type="text" name="lname"/><br>

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

Gender :<input type="radio" name="rdb" value="m"/>Male <input type="radio" name="rdb" value="f"/>Female

<input type="radio" name="rdb" value="o"/>Other<br>

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

Email :<input type="email" name="mail"/><br> Age :<input type="text" name="age"/><br>

address :<textarea rows="4" cols="30" name="address"></textarea><br>

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

</form>

</body>

</html>

Regi.java for logic in java

/\*

\* To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

import java.io.IOException; import java.io.PrintWriter; import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\*

@author Administrator

\*/

public class regi extends HttpServlet {

/\*\*

Processes requests for both HTTP <code>GET</code> and <code>POST</code> \* methods.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

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

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

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

String fnm=request.getParameter("fname");

String lnm=request.getParameter("lname");

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

String gen=request.getParameter("rdb");

System.out.println("gen :"+gen);

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

int age=Integer.parseInt(request.getParameter("age")); String addr=request.getParameter("address"); try{

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

Connection

conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/form","root","bhavans"); String sql="INSERT INTO regi VALUES(?,?,?,?,?,?,?,?)";

PreparedStatement ps=conn.prepareStatement(sql); ps.setString(1,fnm); ps.setString(2,lnm); ps.setString(3,unm); ps.setString(4,gen); ps.setString(5,pwd); ps.setString(6,mail); ps.setInt(7,age); ps.setString(8,addr); ps.executeUpdate();

out.println("data successfully inserted..");

}

catch(Exception e){ System.out.println(e);

}

}

}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

/\*\*

Handles the HTTP <code>GET</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

processRequest(request, response);

}

/\*\*

Handles the HTTP <code>POST</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

processRequest(request, response);

}

/\*\*

Returns a short description of the servlet.

\*

@return a String containing servlet description

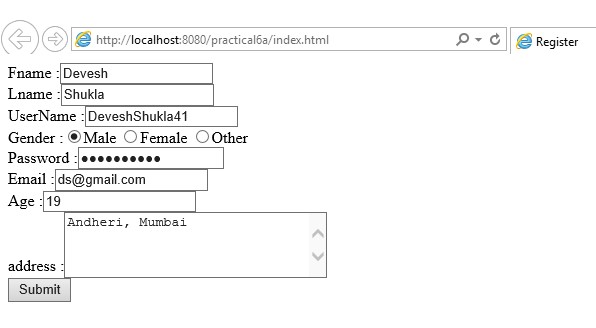
\*/

@Override public String getServletInfo() { return "Short description";

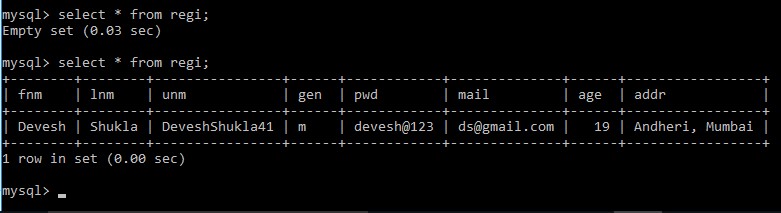
}// </editor-fold>

}

OUTPUT:-







B) Login with registered username and password

Index.html for login form

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties. To change this template file, choose Tools | Templates and open the template in the editor.

-->

<html>

<head>

<title>Login</title>

<meta charset="UTF-8">

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

</head>

<body>

<form action="login1" method="post">

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

Password :<input type="password" name="pwd" /><br>

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

</form>

</body>

</html>

Login.java file for logic in java

/\*

\* To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

import java.io.IOException; import java.io.PrintWriter; import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet; import javax.servlet.RequestDispatcher; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\*

@author Administrator

\*/

public class login1 extends HttpServlet {

/\*\*

Processes requests for both HTTP <code>GET</code> and <code>POST</code> \* methods.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

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

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

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

String unm=request.getParameter("uname"); String pass=request.getParameter("pwd"); try{

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

Connection

conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/form","root","bhavans");

String qry="SELECT \* FROM regi WHERE unm=? and pwd=?"; PreparedStatement ps=conn.prepareStatement(qry); ps.setString(1,unm); ps.setString(2,pass);

ResultSet rs=ps.executeQuery(); if(rs.next()){

RequestDispatcher rd=request.getRequestDispatcher("login23"); rd.forward(request, response);

} else{

out.println("sorry<br>username or password is wrong..!");

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

}

}

catch(Exception e){ System.out.println(e);

}

}

}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

/\*\*

Handles the HTTP <code>GET</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

}

/\*\*

Handles the HTTP <code>POST</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

processRequest(request, response);

}

/\*\*

Returns a short description of the servlet.

\*

@return a String containing servlet description

\*/

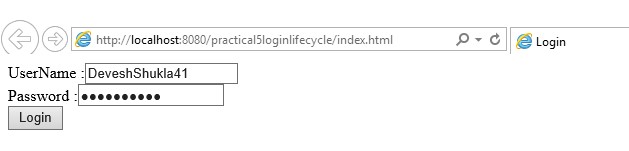
@Override

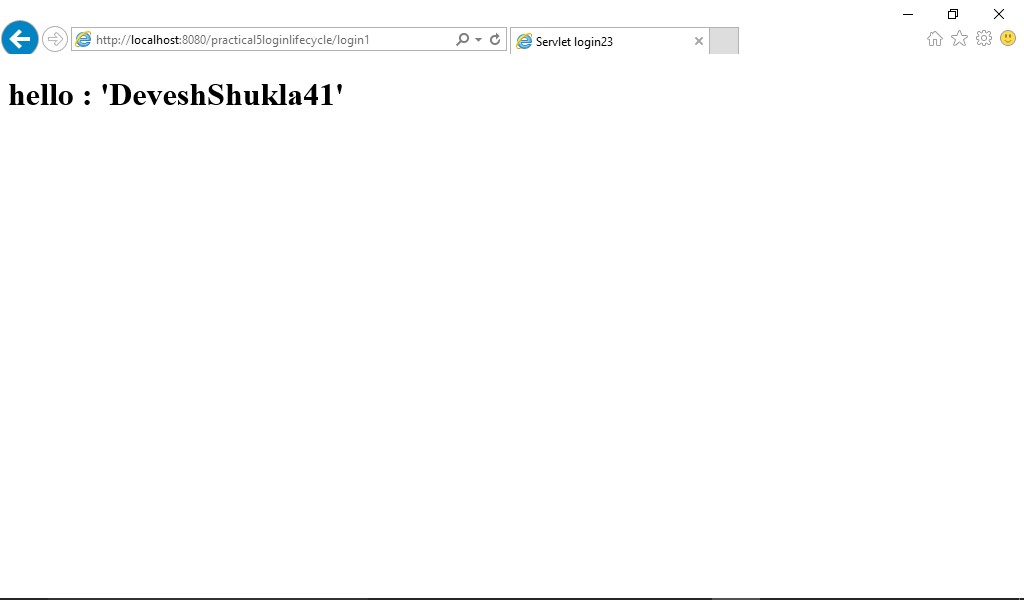
public String getServletInfo() { return "Short description";

}// </editor-fold>

}

OUTPUT:-





**C) Change password**

Index.html file for changing password

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties. To change this template file, choose Tools | Templates and open the template in the editor.

-->

<html>

<head>

<title>Change Password</title>

<meta charset="UTF-8">

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

</head>

<body>

<form action="chnpass1" method="post">

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

Old password :<input type="password" name="oldpwd"/><br>

New Password :<input type="password" name="newpwd"/><br>

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

</form>

</body>

</html>

Chnpass.java file for java logic

/\*

\* To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

import java.io.IOException; import java.io.PrintWriter; import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\*

@author Administrator

\*/

public class chnpass extends HttpServlet {

/\*\*

Processes requests for both HTTP <code>GET</code> and <code>POST</code> \* methods.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

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

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

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

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

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

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

//out.println("nm,old,new :"+unm+" "+oldpwd+" "+newpwd); try{

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

Connection

conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/form","root","bhavans");

//out.println("\nconnection successful");

String qry="SELECT \* FROM regi WHERE unm=? and pwd=?"; PreparedStatement ps=conn.prepareStatement(qry); ps.setString(1,unm); ps.setString(2,oldpwd);

ResultSet rs=ps.executeQuery(); if(rs.next()){

PreparedStatement pst=conn.prepareStatement("UPDATE regi set pwd=? where unm=? and pwd=?");

pst.setString(1,newpwd); pst.setString(2,unm); pst.setString(3,oldpwd); int rst=pst.executeUpdate(); out.println("data updated..\n your new password is "+newpwd);

} else{

out.println("username or password is wrong ..!");

}

}

catch(Exception ex){ System.out.println(ex);

}

}

}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

/\*\*

Handles the HTTP <code>GET</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

processRequest(request, response);

}

/\*\*

Handles the HTTP <code>POST</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

processRequest(request, response);

}

/\*\*

Returns a short description of the servlet.

\*

@return a String containing servlet description

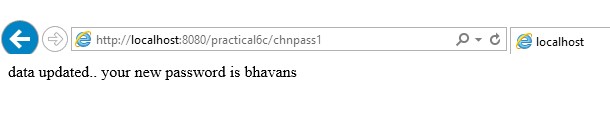
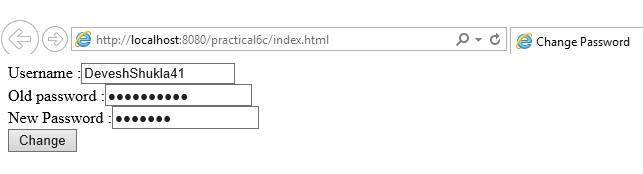
\*/

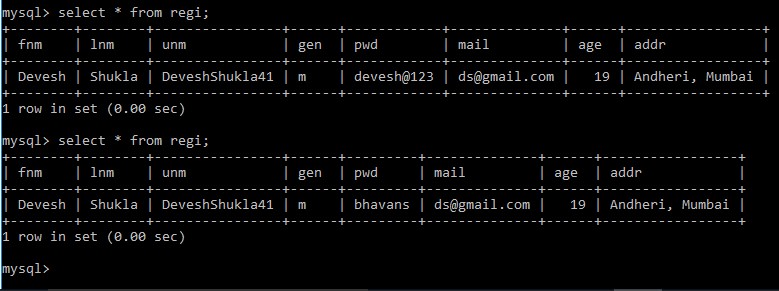
@Override public String getServletInfo() { return "Short description";

}// </editor-fold>

}

**OUTPUT:-**





**D)Delete user**

Index.html for deleting user

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties. To change this template file, choose Tools | Templates and open the template in the editor.

-->

<html>

<head>

<title>Delete User</title>

<meta charset="UTF-8">

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

</head>

<body>

<form action="deluser1" method="post">

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

Password :<input type="password" name="pwd"/><br>

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

</form>

</body>

</html>

**Deluser.java for deleting user**

/\*

To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

import java.io.IOException; import java.io.PrintWriter; import java.sql.Connection; import java.sql.DriverManager; import java.sql.PreparedStatement; import java.sql.ResultSet; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse; /\*\*

\*

@author Administrator

\*/

public class deluser extends HttpServlet {

/\*\*

Processes requests for both HTTP <code>GET</code> and <code>POST</code> \* methods.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

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

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

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

String uname=request.getParameter("uname"); String pass=request.getParameter("pwd"); try{

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

Connection

conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/form","root","bhavans");

String qry="SELECT \* FROM regi WHERE unm=? and pwd=?"; PreparedStatement ps=conn.prepareStatement(qry); ps.setString(1,uname); ps.setString(2,pass);

ResultSet rs=ps.executeQuery(); if(rs.next()){

String delqry="DELETE FROM regi WHERE unm=? and pwd=?"; PreparedStatement pst=conn.prepareStatement(delqry); pst.setString(1,uname); pst.setString(2,pass); pst.executeUpdate();

out.println("user data deleted..");

} else{

out.println("user not exist / username or password is wrong..!");

}

}

catch(Exception ex){ System.out.println(ex);

}

}

}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

/\*\*

Handles the HTTP <code>GET</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

processRequest(request, response);

}

/\*\*

Handles the HTTP <code>POST</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

processRequest(request, response);

}

/\*\*

Returns a short description of the servlet.

\*

@return a String containing servlet description

\*/

@Override

public String getServletInfo() {

return "Short description";

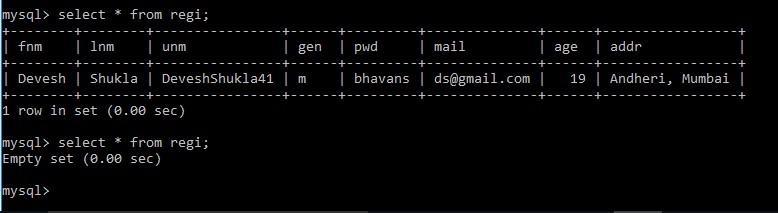
}// </editor-fold>

}

**OUTPUT:-**







**PRACTICAL NO: 06**

**COOKIES**

**INDEX.HTML**

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<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>

<div>

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

Username<input type="text" name="username"><br><br>

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

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

</form>

</div>

</body>

</html>

**SERVLET**/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

import java.io.IOException;

import java.io.PrintWriter;

import static java.lang.System.out;

import javax.servlet.ServletException;

import javax.servlet.http.Cookie;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\*

\* @author IT17

\*/

public class NewServlet extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

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

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

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

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

out.print("Hello "+name);

out.print("\nYour Password is "+pass);

Cookie c1=new Cookie("username ",name);

Cookie c2=new Cookie("password",pass);

response.addCookie(c1);

response.addCookie(c2);

out.print("<br><a href='NewServlet1'>View Details</a>");

out.close();

}

catch (Exception e)

{

out.println(e);

}

}

**SERVLET2**

/\*

\* To change this license header, choose License Headers in Project Properties.

\* To change this template file, choose Tools | Templates

\* and open the template in the editor.

\*/

import java.io.IOException;

import java.io.PrintWriter;

import static java.lang.System.out;

import javax.servlet.ServletException;

import javax.servlet.http.Cookie;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\*

\* @author IT17

\*/

public class NewServlet1 extends HttpServlet {

protected void processRequest(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException {

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

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

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

Cookie c[]=request.getCookies();

out.println("Name "+c[0].getValue());

out.println("Password "+c[1].getValue());

out.close();

}

catch (Exception e)

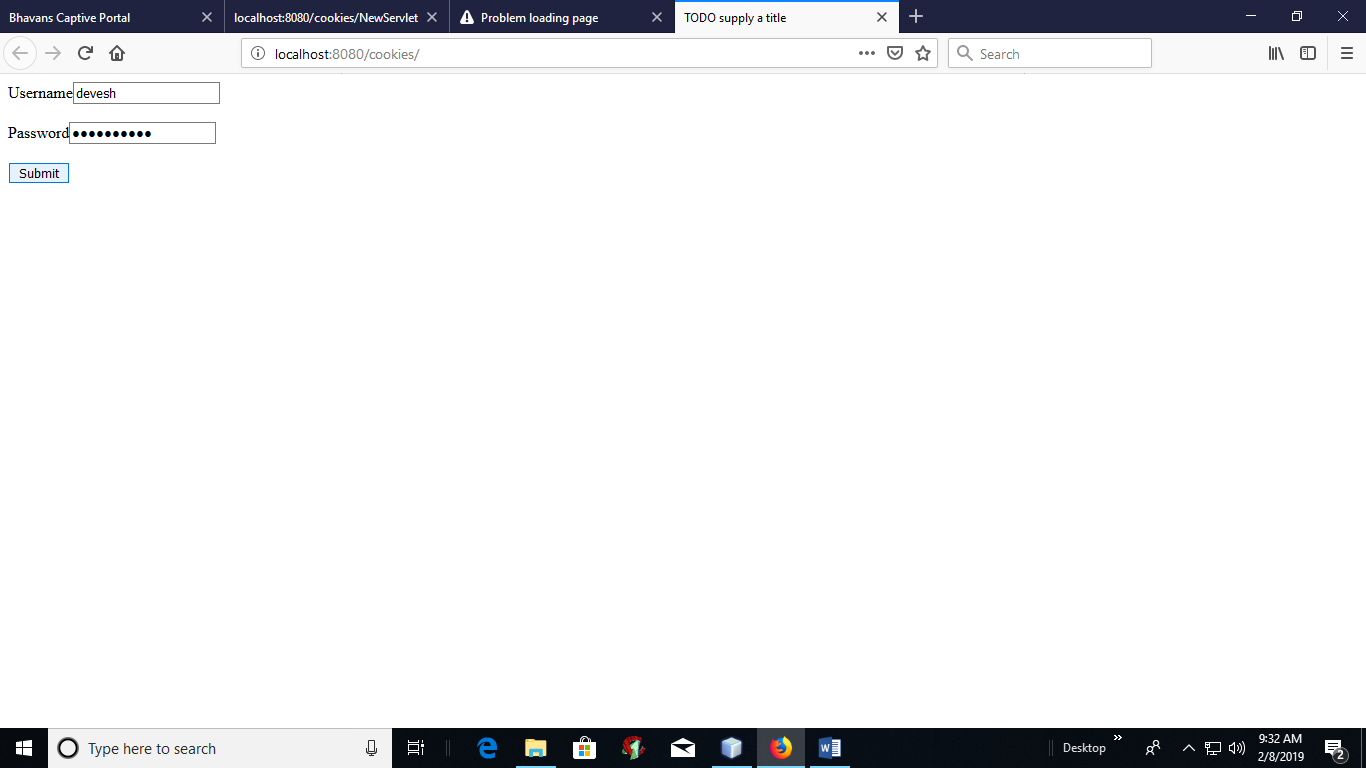
{

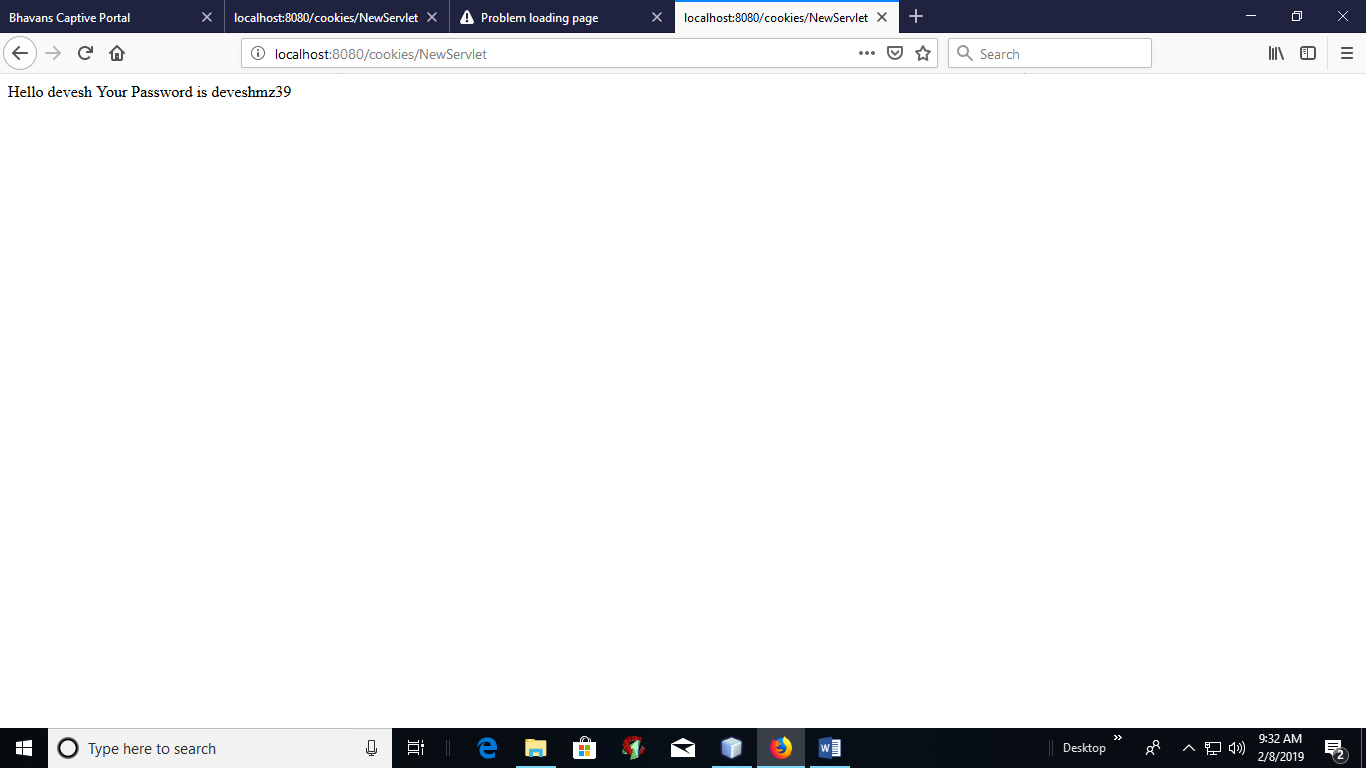
out.println(e);

}

}

OUTPUT:





**Prac7A**

Welcome.jsp:

<%--

Document : welcome

Created on : Feb 1, 2019, 7:26:38 AM

Author : IT26

--%>

<%@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>

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

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

if(username.equals("yash")&&password.equals("yash1"))

{

%>

WELCOME <%=username%>

<%

}

else

{

%>

INVALID USERNAME OR PASSWORD

<%

}

%>

</body>

</html>

Index.html:

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<html>

<head>

<meta charset="UTF-8">

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

</head>

<body>

<div>TODO write content</div>

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

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

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

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

</form>

</body>

</html>

Output:

Top of Form

**Prac7B**

Index.html:

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<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>

<div>TODO write content</div>

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

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

Age:<input type="number" name="age"/><br>

Phone no:<input type="number" name="pno"/><br>

Gender:<br><input type="radio" name="male"/>Male<br>

<input type="radio" name="female"/>Female<br>

Address:<textarea rows="3" cols="50" name="address"></textarea><br>

Qualification:<select name="qualification">

<option value="SSC">SSC</option>

<option value="HSC">HSC</option>

<option value="GRA">GRA</option>

</select><br>

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

</form>

</body>

</html>

Welcome.jsp:

<%--

Document : welcome

Created on : Feb 1, 2019, 7:26:38 AM

Author : IT26

--%>

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

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

<%@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>

<% String Name=request.getParameter("name");

String Age=request.getParameter("age");

String Number=request.getParameter("pno");

String Gender=request.getParameter("gender");

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

String Qualification=request.getParameter("qualification");

try{

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

Connection conn=DriverManager.getConnection("jdbc:mysql://localhost:3306/mysql","root","bhavans");

PreparedStatement ps=conn.prepareStatement("insert into regis values(?,?,?,?,?,?)");

ps.setString(1, Name);

ps.setString(2, Age);

ps.setString(3, Number);

ps.setString(4, Gender);

ps.setString(5, Address);

ps.setString(6, Qualification);

int c=ps.executeUpdate();

if(c>0){

%>

inserted

<%

}

else

{

%>

Not inserted

<%

}

}

catch(Exception e)

{

System.out.println(e);

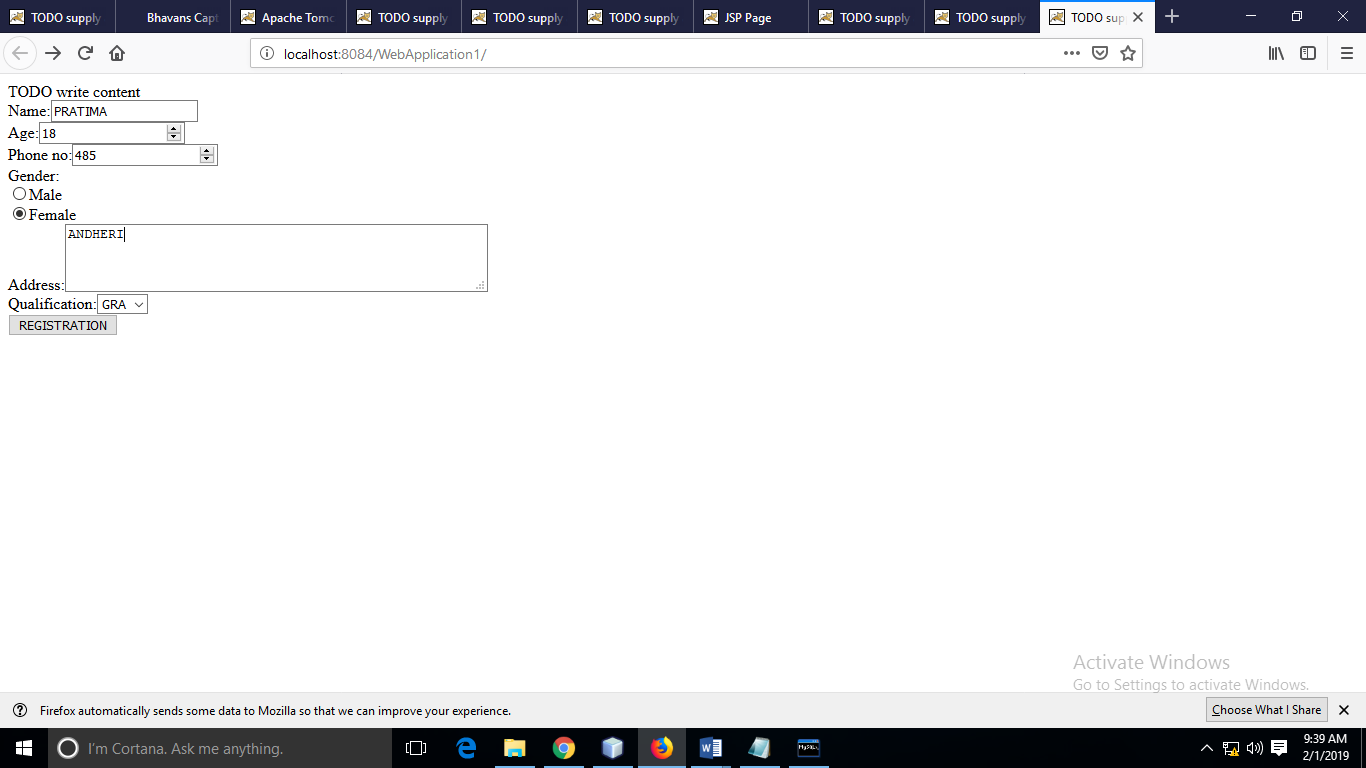
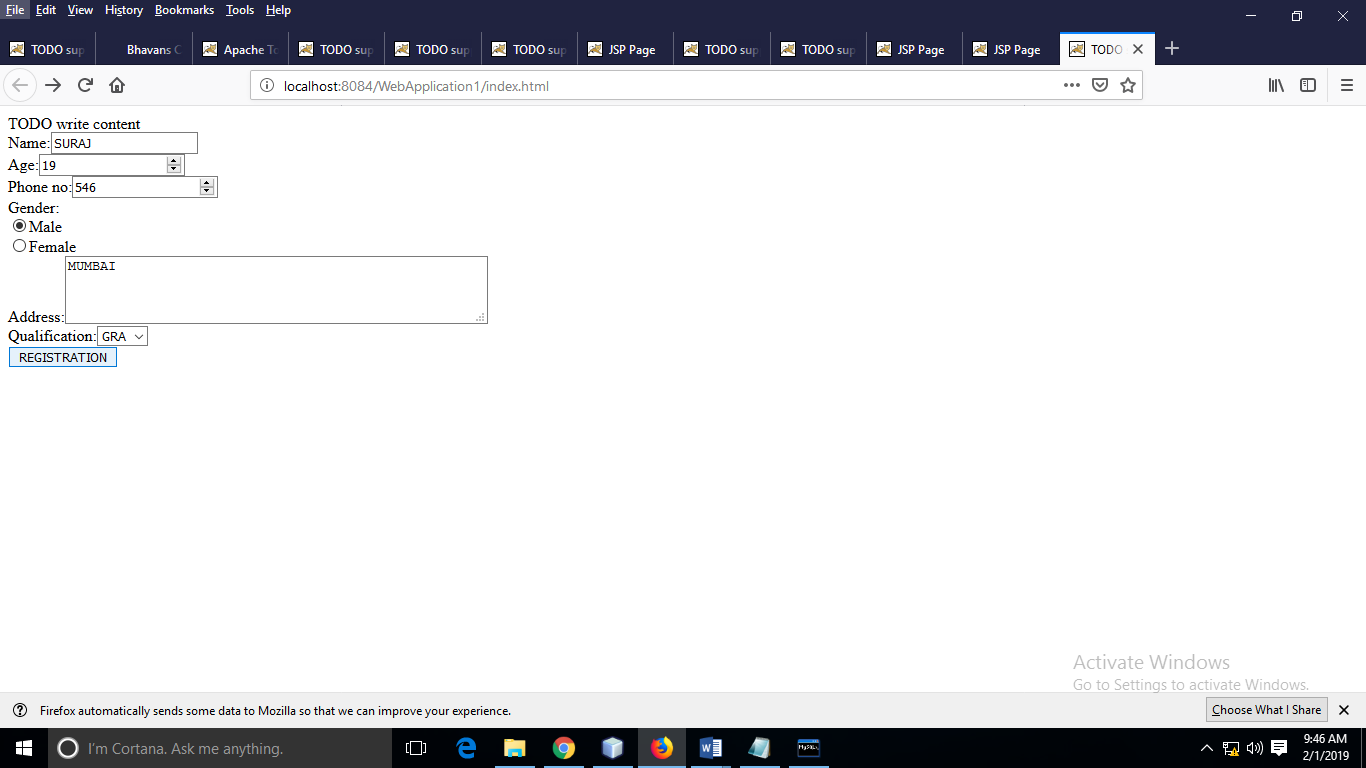
}

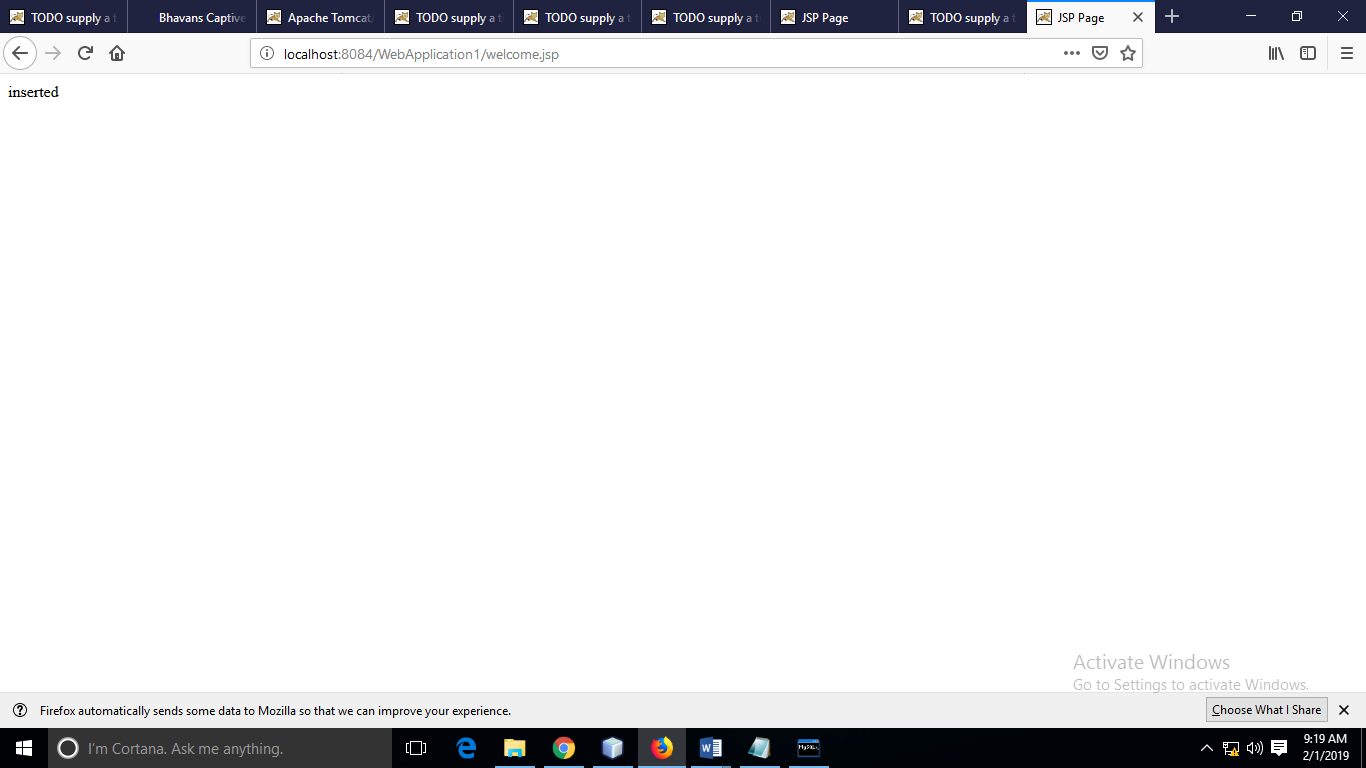
%>

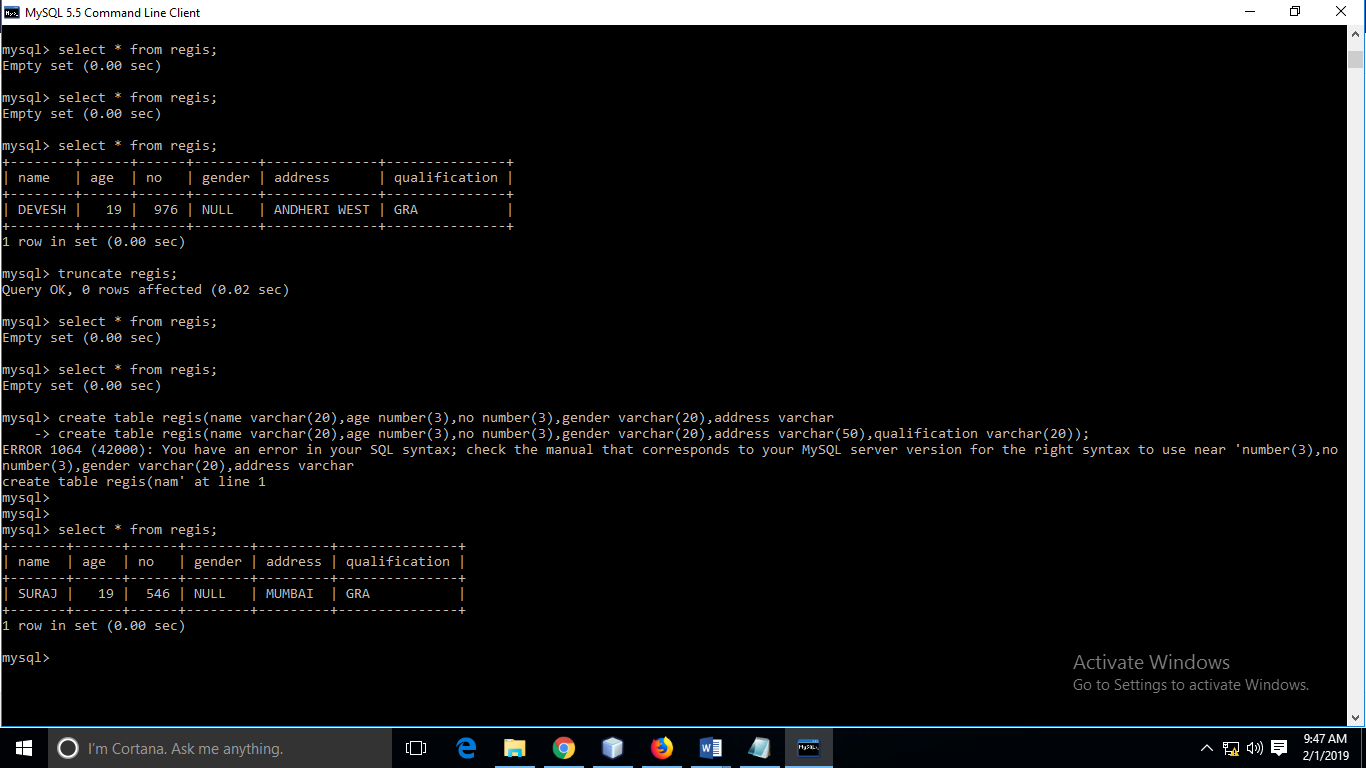
</body>

</html>

Output:







**PRACTICAL NO: 07**

**SESSION**

INDEX.HTML

Movies:

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties.

To change this template file, choose Tools | Templates

and open the template in the editor.

-->

<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="actor.jsp">

<Input type="radio" name="G1" value="minions">minions

<Input type="radio" name="G1" value="Incredible">Incredible

<Input type="submit" value="Next" name="btnNext">

</form>

</body>

</html>

ACTOR.jsp

<%--

Document : newjsp

Created on : Feb 8, 2019, 8:30:06 AM

Author : IT02

--%>

<%@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>

<%String mn= request.getParameter("G1");%>

<%session.setAttribute("actor",mn);%>

<h1>SELECT BEST ACTOR!</h1>

<form action="actress.jsp">

<Input type="radio" name="G1" value="ALGORITHM">ALGORITHM

<Input type="radio" name="G1" value=".NET TECHNOLOGIES">.NET TECHNOLOGIES

<Input type="submit" value="Next" name="btnNext">

</form>

</body>

</html>

ACTRESS.jsp

<%--

Document : actress

Created on : Feb 8, 2019, 8:33:27 AM

Author : IT02

--%>

<%@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>

<h1>ADVANCE JAVA</h1>

<%String ac= request.getParameter("G1");%>

<%session.setAttribute("actress",ac);%>

<h1>SELECT BEST ACTRESS!</h1>

<form action="result.jsp">

<Input type="radio" name="G1" value="ANDROID">ANDROID

<Input type="radio" name="G1" value="ORACLE">ORACLE

<Input type="submit" value="Next" name="btnNext">

</body>

</html>

RESULT.jsp

<%--

Document : result

Created on : Feb 8, 2019, 8:34:02 AM

Author : IT02

--%>

<%@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>

<h1>SELECT!</h1>

<%String act= request.getParameter("G1");%>

<%session.setAttribute("actress",act);%>

<h1>SELECT BEST MOVIE</h1>

<%=(String) session.getAttribute("movie")%>

<h1>SELECT BEST ACTOR</h1>

<%=(String) session.getAttribute("actor")%>

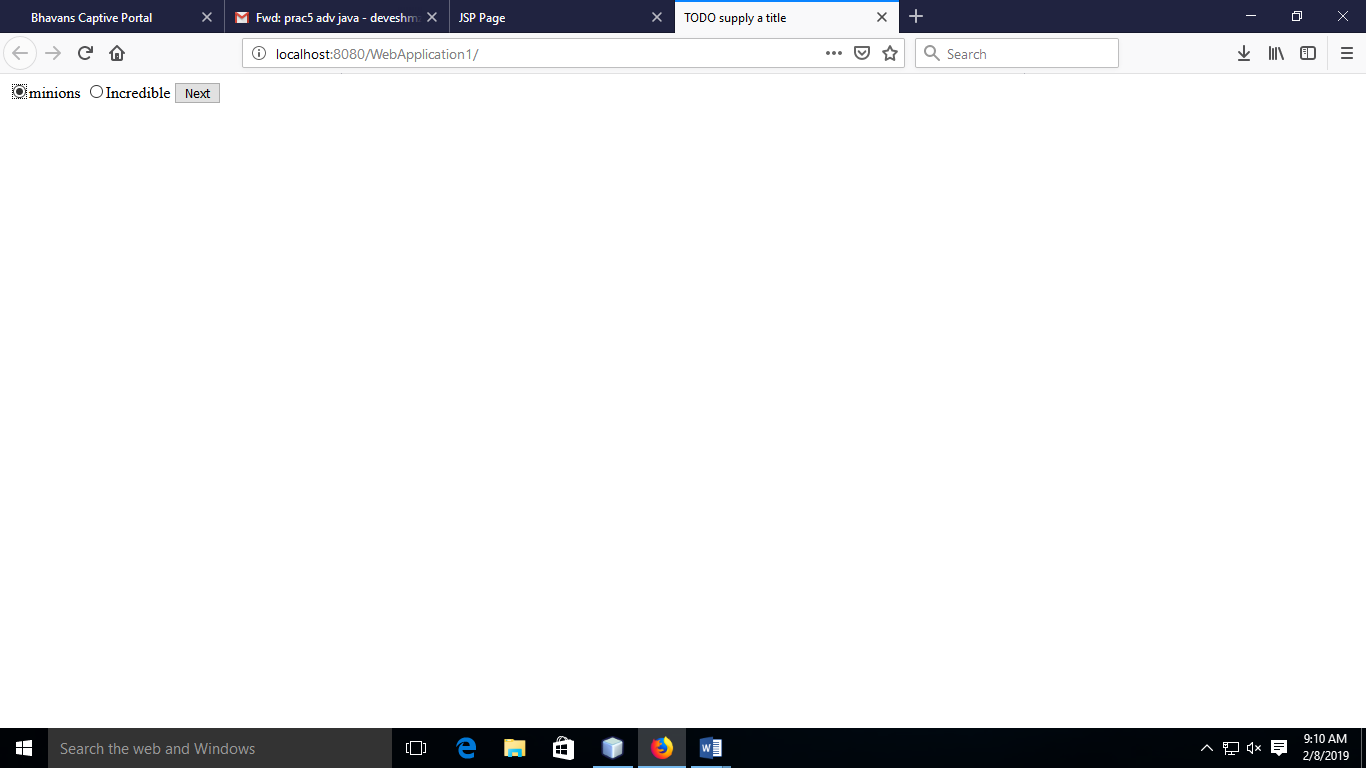
<h1>SELECT BEST ACTRESS</h1>

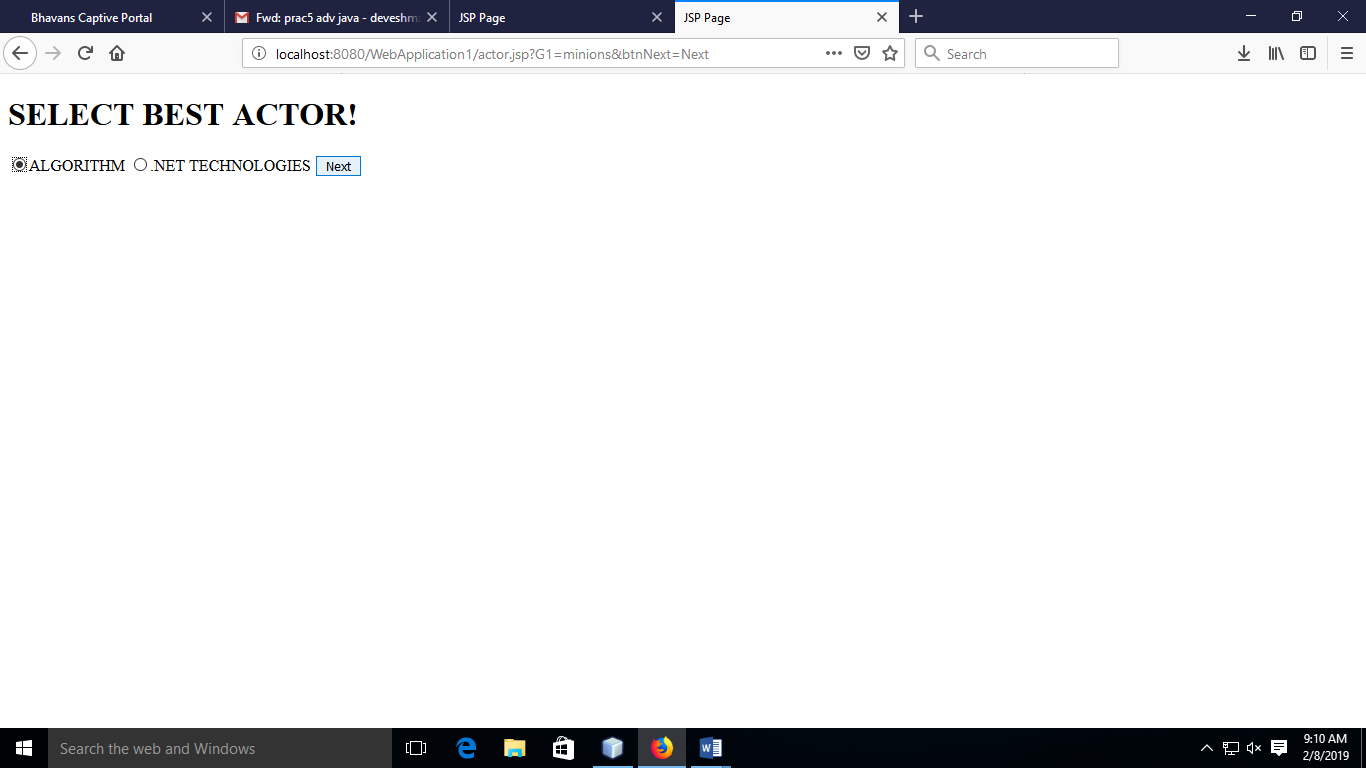
<%=(String) session.getAttribute("actress")%>

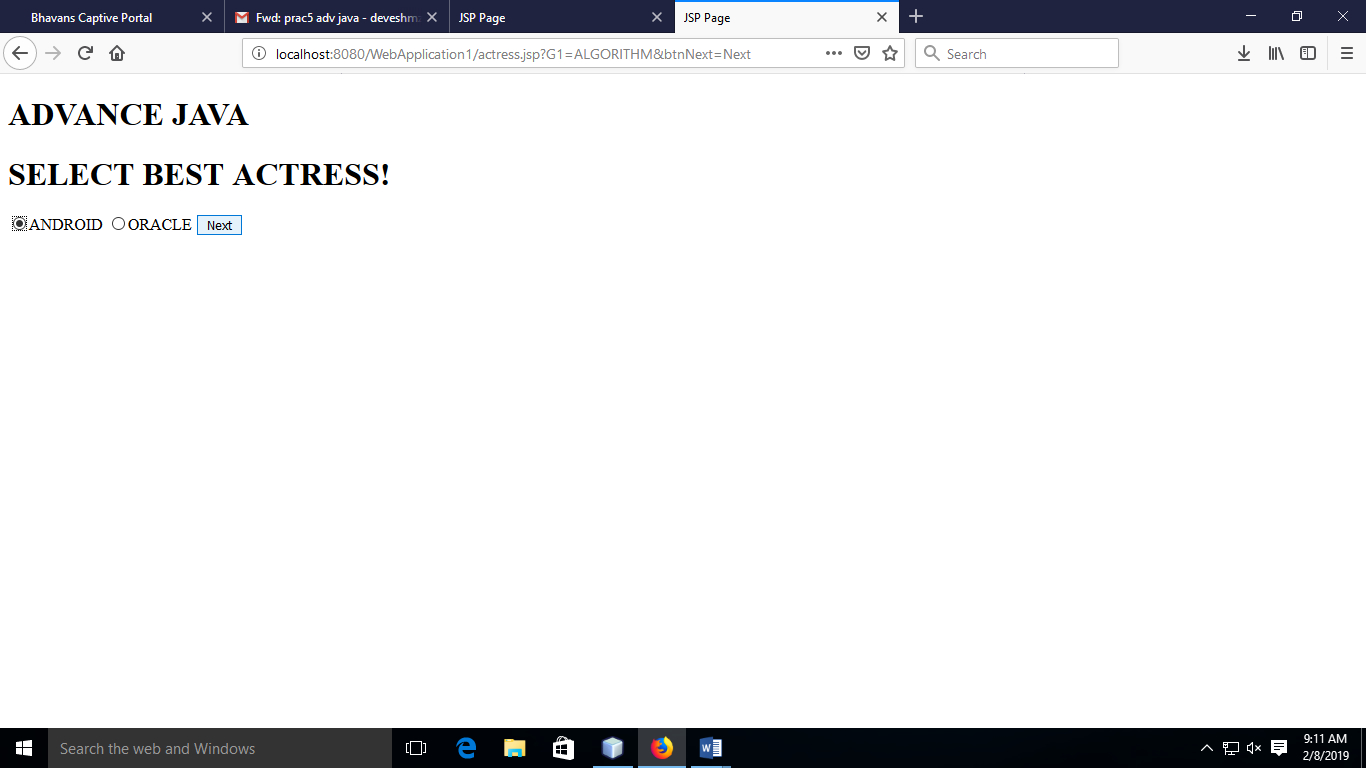
</body>

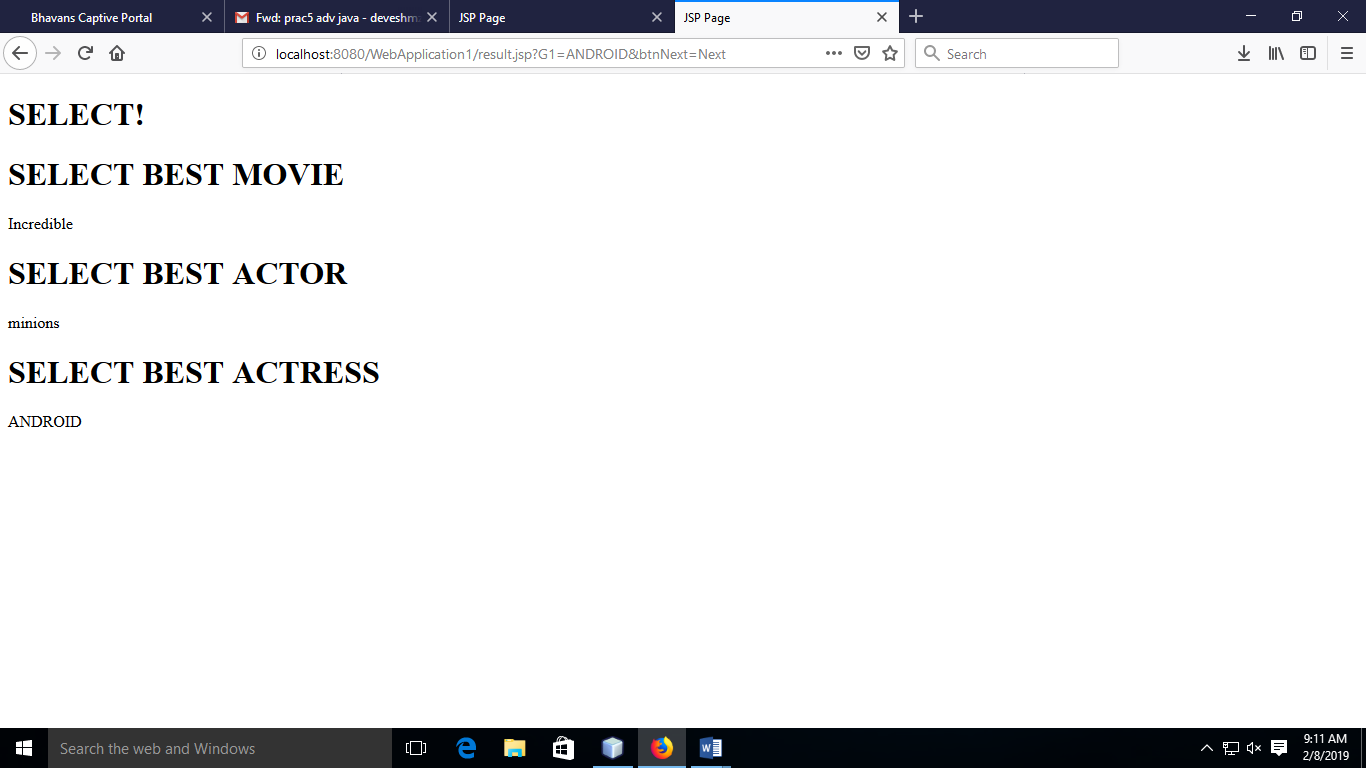
</html>

OUTPUT:









**PRACTICAL NO:08(A)**

**USEBEAN:**

**Index.html:**

<!DOCTYPE html>

<!--

To change this license header, choose License Headers in Project Properties. To change this template file, choose Tools | Templates and open the template in the editor.

-->

<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>

<div>

<form action="bean.jsp" method="POST">

<table border="1">

<tr><th>Name</th><td><input type="text" name="txtname"></td></tr>

<tr><th>Username</th><td><input type="text" name="txtuser"></td></tr>

<tr><th>Course</th><td><input type="text" name="txtcourse"></td></tr>

<th><input type="Submit" value="Submit"></th>

</table>

</form>

</div>

</body>

</html>

**BEANCLASS.JAVA**

/\*

To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

package bean;

/\*\*

\*

@author devesh shukla

\*/

public class BeanClass {

private String name;

public String getName() { return name;

}

public void setName(String name) {

this.name = name;

}

private String username;

public String getUsername() {

return username;

}

public void setUsername(String username) { this.username = username;

}

private String course;

public String getCourse() {

return course;

}

public void setCourse(String course) {

this.course = course;

}

}

**BEAN.JSP:**

<%--

Document : bean

Created on : March 7, 2019, 5:48:27 PM

Author : devesh shukla

--%>

<%@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>

<%

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

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

String course=request.getParameter("txtcourse");

%>

<jsp:useBean class="bean.BeanClass" id="stud" scope="session"> <jsp:setProperty name="stud" property="name" value="<%=name%>"/>

<jsp:setProperty name="stud" property="username" value="<%=username%>"/>

<jsp:setProperty name="stud" property="course" value="<%=course%>"/> </jsp:useBean>

<h1>Name:</h1>

<jsp:getProperty name="stud" property="name"/>

<h1>Username:</h1>

<jsp:getProperty name="stud" property="username"/>

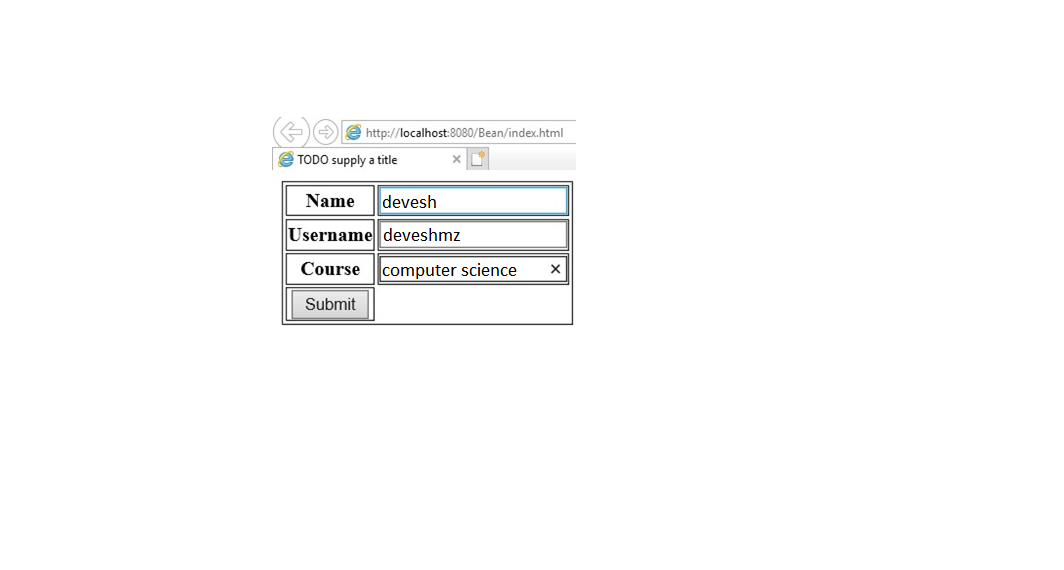
<h1>Course:</h1>

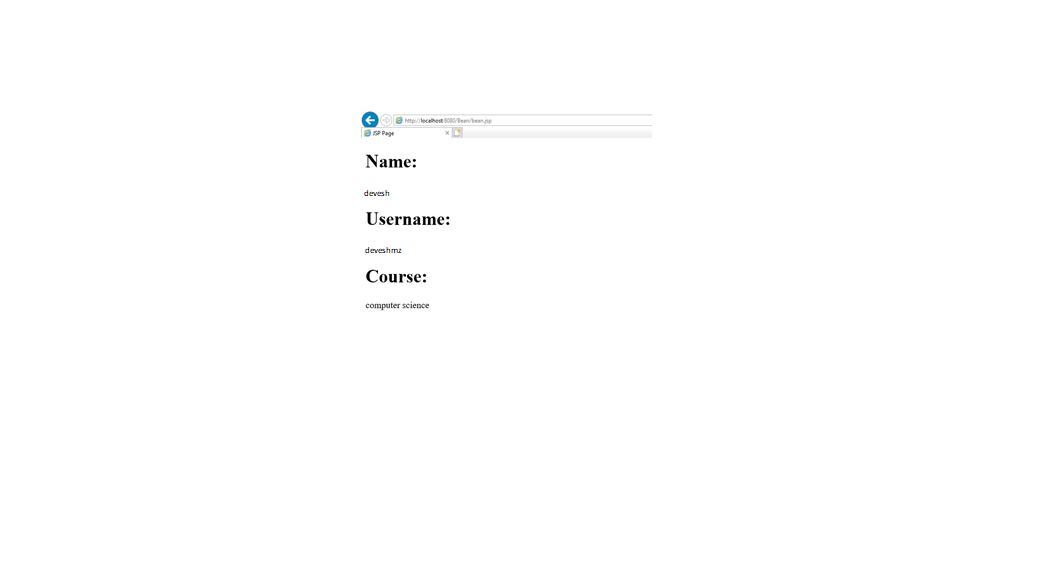
<jsp:getProperty name="stud" property="course"/>

</body>

</html>

**OUTPUT:**





**PART B (Java Enterprises)**

**CALCBEAN.JAVA:**

/\*

To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

package SessionBean;

import javax.ejb.Stateless;

/\*\*

\*

@author devesh shukla

\*/

@Stateless

public class calcbean implements calcbeanLocal {

@Override

public Integer addition(int n1, int n2) { return n1+n2;

}

@Override

public Integer subtraction(int n1, int n2) {

return n1-n2;

}

@Override

public Integer multiplication(int n1, int n2) { return n1\*n2;

}

@Override

public Integer division(int n1, int n2) { return n1/n2;

}

}

**CALCBEANLOCAL.JAVA:**

/\*

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\*/

package SessionBean;

import javax.ejb.Local;

/\*\*

\*

@author devesh shukla

\*/

@Local

public interface calcbeanLocal {

Integer addition(int n1, int n2);

Integer subtraction(int n1, int n2);

Integer multiplication(int n1, int n2);

Integer division(int n1, int n2);

}

**CALC.JSP:**

<%--

Document : calc

Created on : March 7, 2019, 6:09:45 PM

Author : devesh shukla

--%>

<%@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="NewServlet" method="post">

<table border="1">

<tr><th>Enter n1:</th><td><input type="text" name="txtn1"></td></tr>

<tr><th>Enter n2:</th><td><input type="text" name="txtn2"></td></tr>

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

</table>

</form>

</body>

</html>

**NEWSERVLET.JAVA:**

/\*

\* To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

import SessionBean.calcbeanLocal; import java.io.IOException;

import java.io.PrintWriter; import javax.ejb.EJB; import javax.servlet.ServletException; import javax.servlet.http.HttpServlet; import javax.servlet.http.HttpServletRequest; import javax.servlet.http.HttpServletResponse;

/\*\*

\*

\* @author devesh shukla

\*/

public class NewServlet extends HttpServlet {

@EJB

private calcbeanLocal calcbean;

protected void processRequest(HttpServletRequest request, HttpServletResponse response) throws ServletException, 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 NewServlet</title>"); out.println("</head>"); out.println("<body>"); int a=Integer.parseInt(request.getParameter("txtn1")); int b=Integer.parseInt(request.getParameter("txtn2"));

out.println("<h1>Sumation of " +a+ " and " +b+ " is "+calcbean.addition(a,b)); out.println("<h1>Subtraction of " +a+ " and " +b+ "is "+calcbean.subtraction(a,b)); out.println("<h1>Multiplication of " +a+ " and " +b+ "is "+calcbean.subtraction(a,b)); out.println("<h1>Division of " +a+ " and " +b+ "is "+calcbean.division(a,b)); out.println("</body>"); out.println("</html>");

}

}

// <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">

/\*\*

Handles the HTTP <code>GET</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

processRequest(request, response);

}

/\*\*

Handles the HTTP <code>POST</code> method.

\*

@param request servlet request

@param response servlet response

@throws ServletException if a servlet-specific error occurs

@throws IOException if an I/O error occurs

\*/

@Override

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

processRequest(request, response);

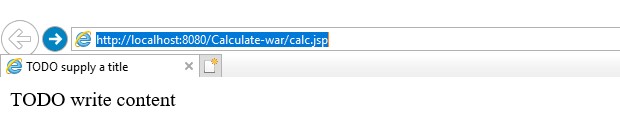
}

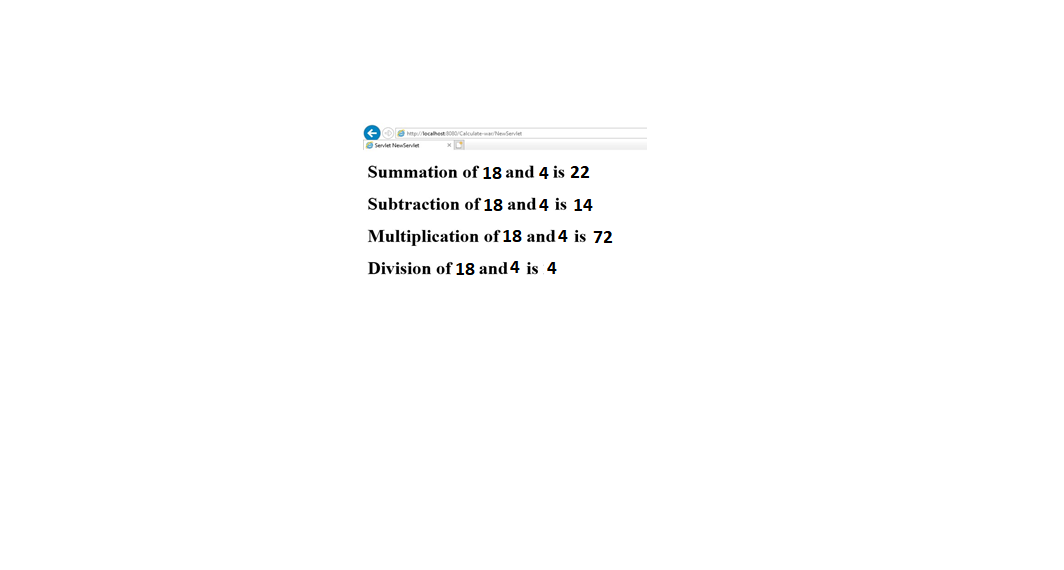
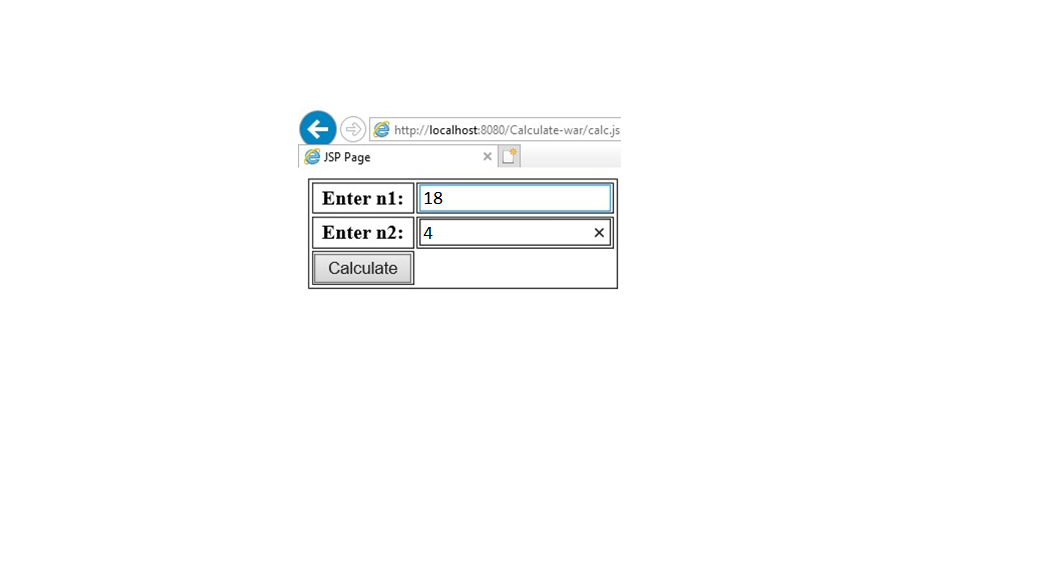
@Override public String getServletInfo() { return "Short description";

}// </editor-fold>

}

**OUTPUT:**





**PRACTICAL NO: 09**

**Index.html:**

<!DOCTYPE html>

<!--

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-->

<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>

<div>

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

<table border="1">

<tr><th>Username</th><td><input type="text" name="txtuser" /></td></tr>

<tr><th>Password</th><th><input type="password" name="txtpass" /></th></tr>

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

</table>

</form>

</div>

</body>

</html>

**Login.java**

/\*

To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/ package log;

import com.opensymphony.xwork2.ActionSupport;

/\*\*

\*

@author devesh shukla

\*/

public class Login extends ActionSupport {

String txtuser,txtpass;

public String getTxtuser() { return txtuser;

}

public void setTxtuser(String txtuser) {

this.txtuser = txtuser;

}

public String getTxtpass() { return txtpass;

}

public void setTxtpass(String txtpass) {

this.txtpass = txtpass;

}

public String execute(){

if(txtuser.equals("devesh")&& txtpass.equals("deveshm")) return "success"; else

return "error";

}

}

**Success.jsp:**

<%--

Document : success

Created on : Mar 7, 2019, 7:16:16 PM

Author : devesh shukla

--%>

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

<%@taglib uri="/struts-tags" prefix="s"%>

<!DOCTYPE html>

<html>

<head>

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

<title>JSP Page</title>

</head>

<body>

<h1>

Hello <s:property value="txtuser"/><br>

Your Password is <s:property value="txtpass"/><br>

</h1>

</body> </html> **error.jsp:**

<%--

Document : error

Created on : Mar 6, 2019, 6:23:53 PM

Author : devesh shukla

--%>

<%@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>

<h1>Error!!!!!!</h1>

</body>

</html>

**Struts.xml:**

<!DOCTYPE struts PUBLIC

"-//Apache Software Foundation//DTD Struts Configuration 2.0//EN"

"http://struts.apache.org/dtds/struts-2.0.dtd">

<struts>

<!-- Configuration for the default package. -->

<package name="default" extends="struts-default">

<action name="login" class="log.Login">

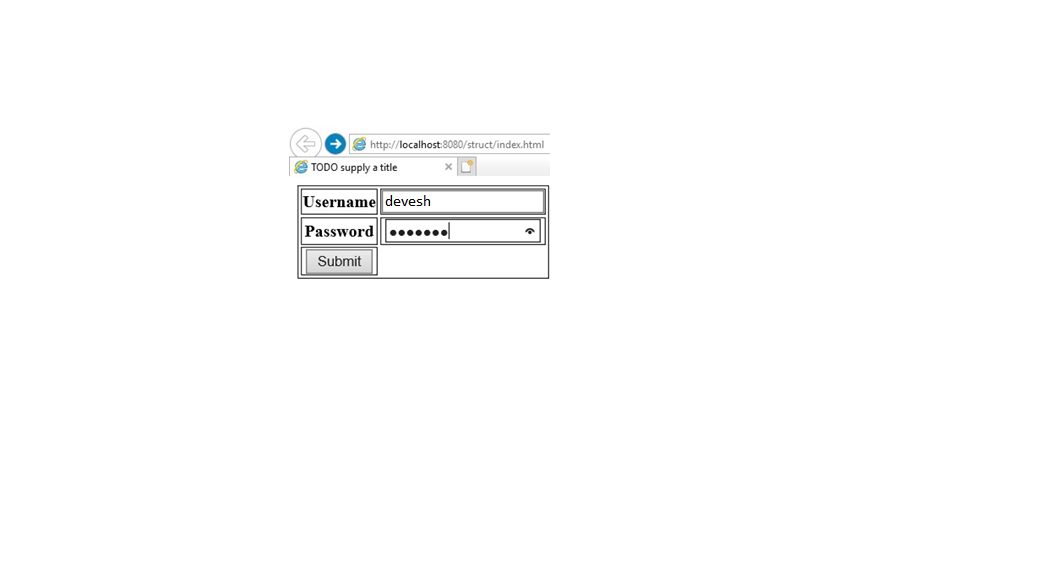
<result name="success">/success.jsp</result>

<result name="error">/error.jsp</result>

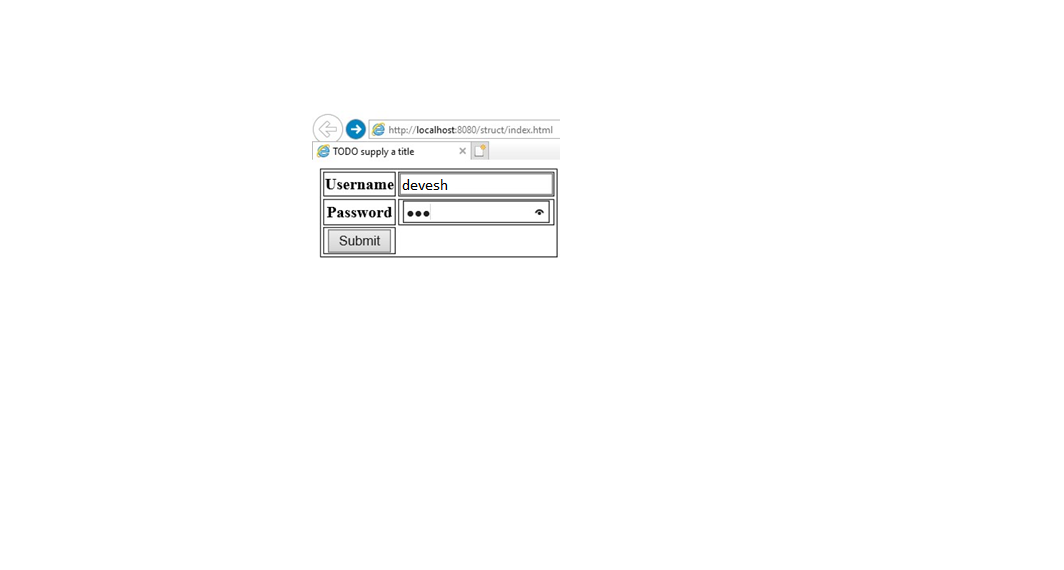
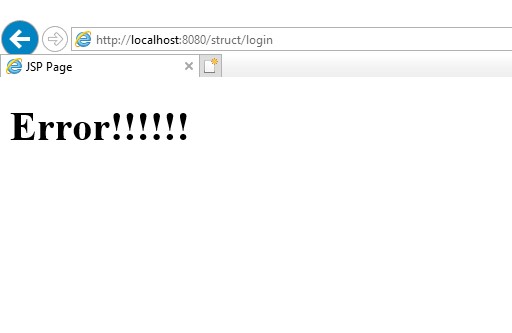
</action>

</package> </struts>

**OUTPUT:**







**Change Password: INDEX.html:**

<!DOCT

TYPE html>

<!--

To change this license header, choose License Headers in Project Properties. To change this template file, choose Tools | Templates and open the template in the editor.

-->

<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>

<div>

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

<table border="1">

<tr><th>Email</th><td><input type="text" name="email"></td></tr>

<tr><th>Old Password</th><td><input type="password" name="oldpass"></td></tr>

<tr><th>New Password</th><td><input type="password" name="newpass"></td></tr>

<tr><th>Confirm Password</th><td><input type="password" name="confirmpass"></td></tr>

<th><input type="submit" value="Change Password"></th>

</table>

</form>

</div>

</body>

</html>

**CHANGEPASS.JAVA:**

/\*

To change this license header, choose License Headers in Project Properties. \* To change this template file, choose Tools | Templates \* and open the template in the editor.

\*/

package change;

import com.opensymphony.xwork2.ActionSupport;

/\*\*

\*

@author devesh shukla

\*/

public class ChangePass extends ActionSupport {

String email,oldpass,newpass,confirmpass;

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public String getOldpass() { return oldpass;

}

public void setOldpass(String oldpass) {

this.oldpass = oldpass;

}

public String getNewpass() { return newpass;

}

public void setNewpass(String newpass) { this.newpass = newpass;

}

public String getConfirmpass() { return confirmpass;

}

public void setConfirmpass(String confirmpass) { this.confirmpass = confirmpass;

}

public String execute(){

if(email.equals("devm@gmail.com")&&

oldpass.equals("deves")&&(!newpass.equals("devmz"))&&(confirmpass.equals(newpass))){ return "success";

}

else

return "error";

}

}

**Success.jsp:**

<%--

Document : success

Created on : Mar 7, 2019, 8:20:24 PM

Author : devesh shukla

--%>

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

<%@taglib uri="/struts-tags" prefix="s" %>

<!DOCTYPE html>

<html>

<head>

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

<body>

<h1>

Hello Your Email-id is: <s:property value="email"/><br>

Your Old Password is <s:property value="oldpass"/><br>

Your New Password is <s:property value="newpass"/><br>

Your Confirm Password is <s:property value="confirmpass"/><br>

</h1>

</body> </html> **error.jsp:**

<%--

Document : error

Created on : Mar 7, 2019, 8:22:54 PM

Author : devesh shukla

--%>

<%@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>

<h1>Error!!!!!!!!!!!!</h1>

</body>

</html>

**Struts.xml:**

<!DOCTYPE struts PUBLIC

"-//Apache Software Foundation//DTD Struts Configuration 2.0//EN"

"http://struts.apache.org/dtds/struts-2.0.dtd">

<struts>

<!-- Configuration for the default package. -->

<package name="default" extends="struts-default">

<action name="change" class="change.ChangePass">

<result name="success">/success.jsp</result>

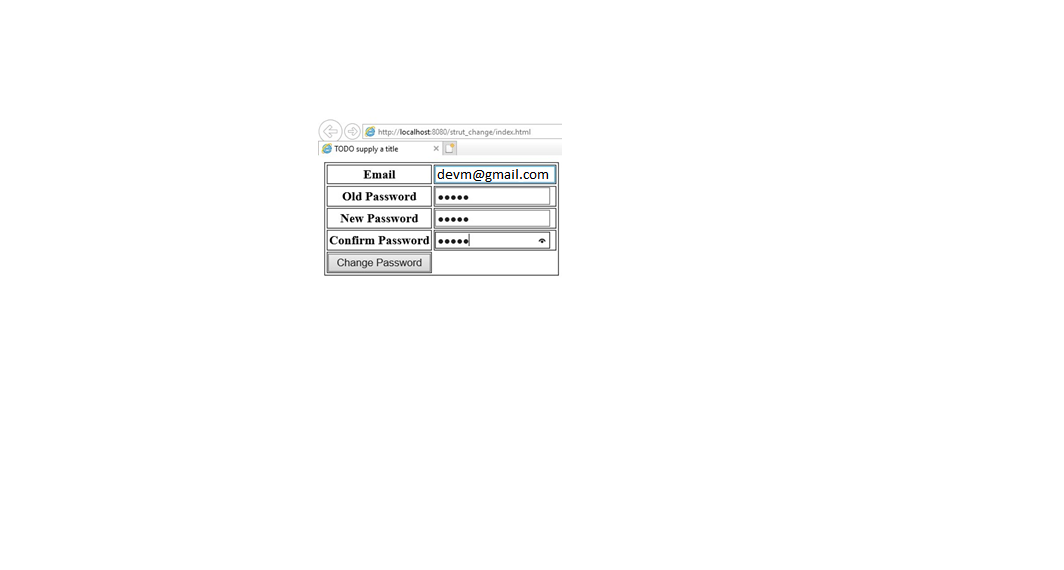
<result name="error">/error.jsp</result>

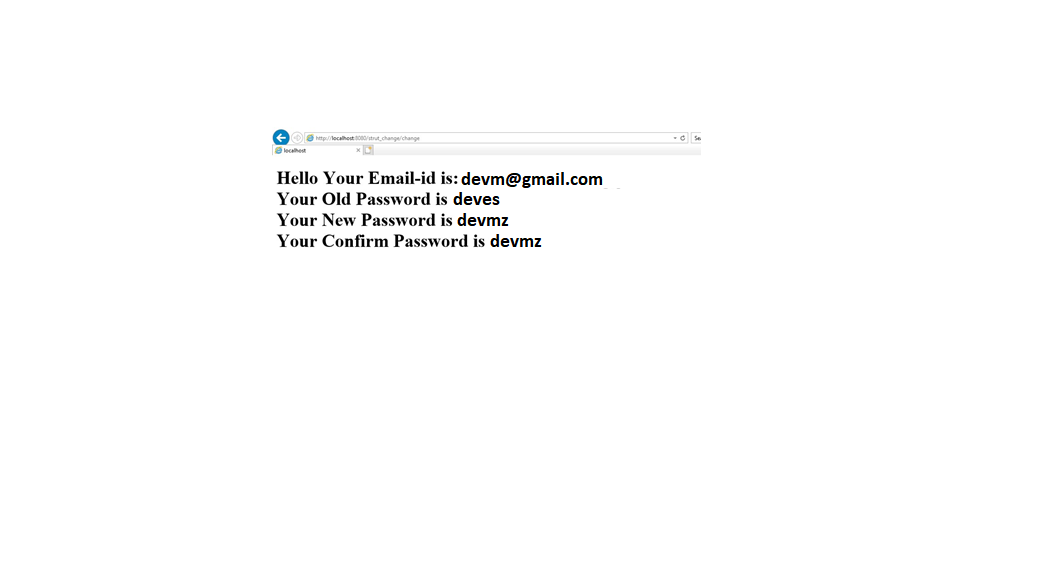
</action>

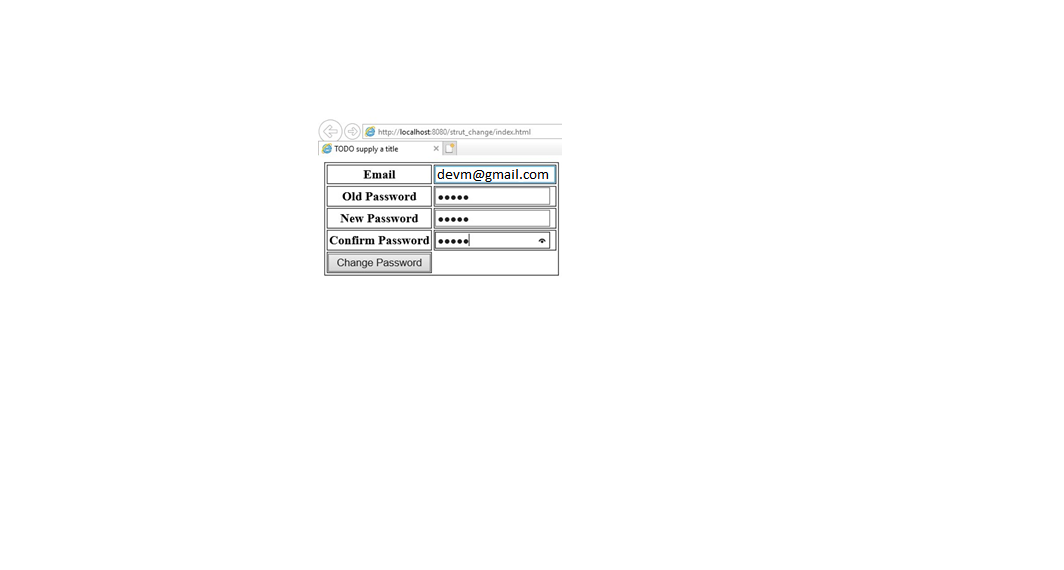
</package>

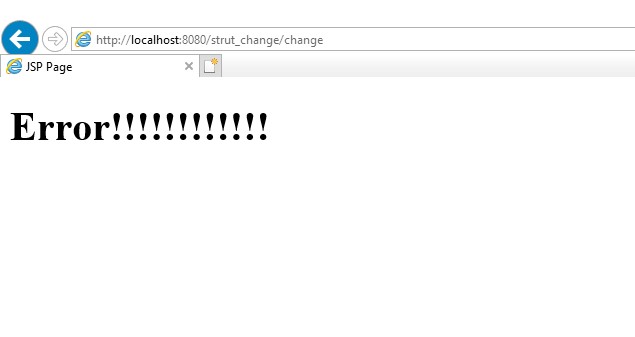
</struts>

**OUTPUT:**









**PRACTICAL NO: 10 Encoding in java:**

**Code:**

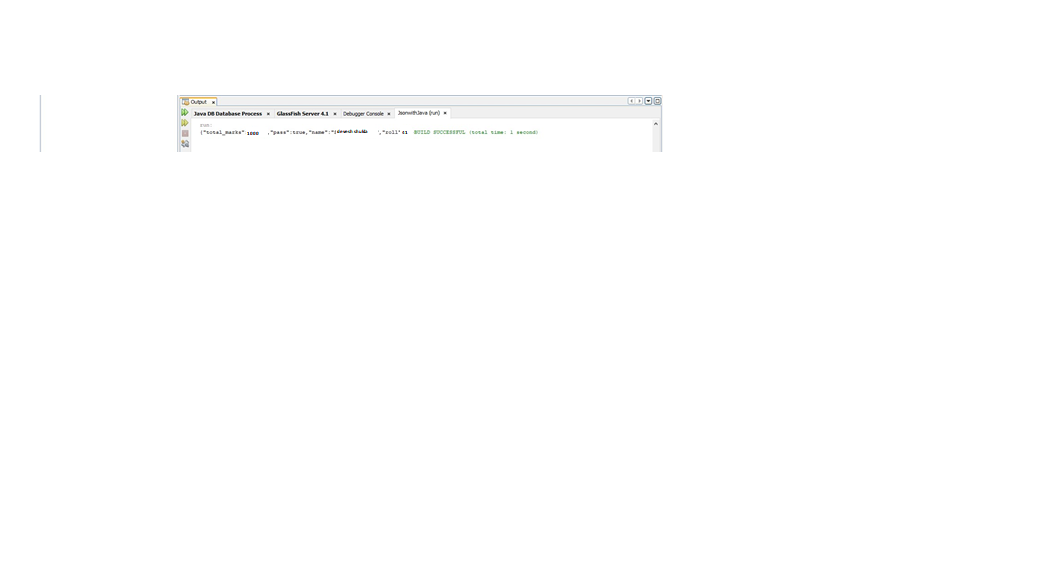
package jsonwithjava; import org.json.simple.JSONObject; public class JsonwithJava { public static void main(String[] args) { JSONObject o1 = new JSONObject(); o1.put("name", "devesh shukla"); o1.put("roll", new Integer(41)); o1.put("total\_marks", new Double(1000)); o1.put("pass", new Boolean(true));

System.out.print(o1);

}

}

**OUTPUT:**



**Decoding in java:**

**Code:**

package jsonwithjava; import org.json.simple.JSONObject; import org.json.simple.JSONValue; public class JsonDecodeExample1 { public static void main(String[] args) {

String s = "{\"name\":\"devesh shukla\",\"marks\":1000,\"roll\":41}";

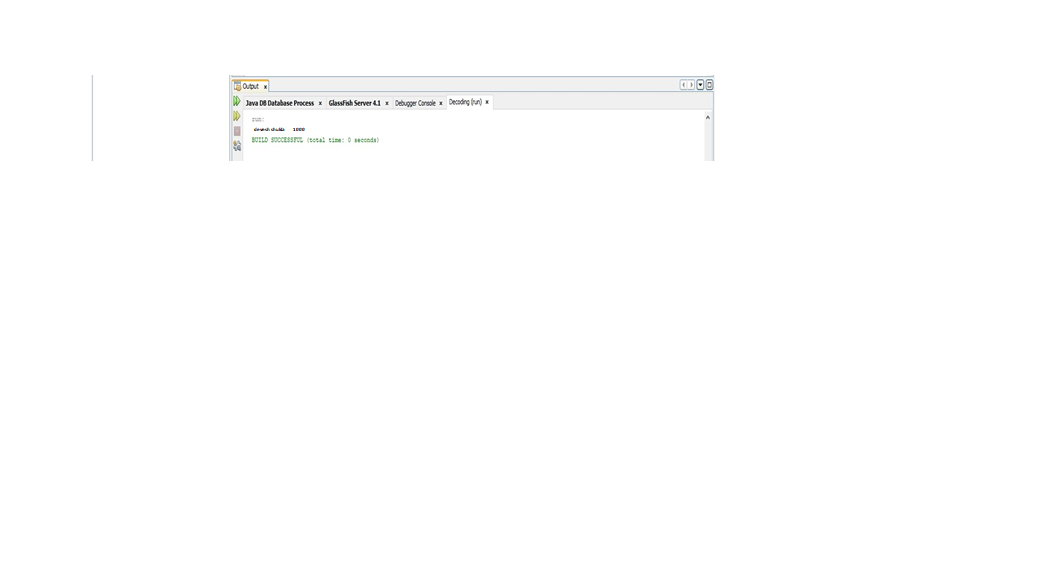
Object o1 = JSONValue.parse(s);

JSONObject jsonObj = (JSONObject) o1; String name = (String) jsonObj.get("name"); double marks = (Double) jsonObj.get("marks"); long roll = (long) jsonObj.get("roll");

System.out.println(name + " " + marks + " " + roll);

}

}

**OUTPUT:**