Assignment No:08

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**Source Code:**

// Java program to implement

// a Simple Registration Form

// using Java Swing

import javax.swing.\*; import java.awt.\*; import java.awt.event.\*; import java.util.\*; import java.sql.\*;

class MyFrame extends JFrame

implements ActionListener {

// Components of the Form private Container c;

private JLabel title; private JLabel name; private JTextField tname; private JLabel mno; private JTextField tmno; private JLabel gender;

private JRadioButton male; private JRadioButton female; private ButtonGroup gengp; private JLabel dob;

private JComboBox date; private JComboBox month; private JComboBox year; private JLabel add;

private JTextArea tadd; private JCheckBox term; private JButton sub; private JButton reset; private JTextArea tout; private JLabel res; private JTextArea resadd;

private static final String INSERT\_USER\_SQL = "INSERT INTO users (name, mobile, gender, dob, address, terms) VALUES (?, ?, ?, ?, ?, ?)";

private String dates[] = { "1", "2", "3", "4", "5",

"6", "7", "8", "9", "10",

"11", "12", "13", "14", "15",

"16", "17", "18", "19", "20",

"21", "22", "23", "24", "25",

"26", "27", "28", "29", "30",

"31" };

private String months[] = { "01", "02", "03", "04",

"05", "06", "07", "08",

"09", "10", "11", "12" };

private String years[] = { "1995", "1996", "1997", "1998",

"1999", "2000", "2001", "2002",

"2003", "2004", "2005", "2006",

"2007", "2008", "2009", "2010",

"2011", "2012", "2013", "2014",

"2015", "2016", "2017", "2018",

"2019", "2020", "2021", "2022", "2023" };

// constructor, to initialize the components

// with default values. public MyFrame() {

setTitle("Registration Form"); setBounds(300, 90, 900, 600); setDefaultCloseOperation(EXIT\_ON\_CLOSE); setResizable(false);

c = getContentPane(); c.setLayout(null);

title = new JLabel("Registration Form"); title.setFont(new Font("Arial", Font.PLAIN, 30)); title.setSize(300, 30);

title.setLocation(300, 30); c.add(title);

name = new JLabel("Name");

name.setFont(new Font("Arial", Font.PLAIN, 20)); name.setSize(100, 20);

name.setLocation(100, 100); c.add(name);

tname = new JTextField();

tname.setFont(new Font("Arial", Font.PLAIN, 15)); tname.setSize(190, 20);

tname.setLocation(200, 100); c.add(tname);

mno = new JLabel("Mobile");

mno.setFont(new Font("Arial", Font.PLAIN, 20)); mno.setSize(100, 20);

mno.setLocation(100, 150); c.add(mno);

tmno = new JTextField();

tmno.setFont(new Font("Arial", Font.PLAIN, 15)); tmno.setSize(150, 20);

tmno.setLocation(200, 150); c.add(tmno);

gender = new JLabel("Gender"); gender.setFont(new Font("Arial", Font.PLAIN, 20)); gender.setSize(100, 20);

gender.setLocation(100, 200); c.add(gender);

male = new JRadioButton("Male"); male.setFont(new Font("Arial", Font.PLAIN, 15)); male.setSelected(true);

male.setSize(75, 20);

male.setLocation(200, 200); c.add(male);

female = new JRadioButton("Female"); female.setFont(new Font("Arial", Font.PLAIN, 15)); female.setSelected(false);

female.setSize(80, 20);

female.setLocation(275, 200); c.add(female);

gengp = new ButtonGroup(); gengp.add(male); gengp.add(female);

dob = new JLabel("DOB");

dob.setFont(new Font("Arial", Font.PLAIN, 20)); dob.setSize(100, 20);

dob.setLocation(100, 250); c.add(dob);

date = new JComboBox(dates); date.setFont(new Font("Arial", Font.PLAIN, 15)); date.setSize(50, 20);

date.setLocation(200, 250); c.add(date);

month = new JComboBox(months); month.setFont(new Font("Arial", Font.PLAIN, 15)); month.setSize(60, 20);

month.setLocation(250, 250); c.add(month);

year = new JComboBox(years); year.setFont(new Font("Arial", Font.PLAIN, 15)); year.setSize(60, 20);

year.setLocation(320, 250); c.add(year);

add = new JLabel("Address");

add.setFont(new Font("Arial", Font.PLAIN, 20)); add.setSize(100, 20);

add.setLocation(100, 300); c.add(add);

tadd = new JTextArea();

tadd.setFont(new Font("Arial", Font.PLAIN, 15)); tadd.setSize(200, 75);

tadd.setLocation(200, 300); tadd.setLineWrap(true); c.add(tadd);

term = new JCheckBox("Accept Terms And Conditions."); term.setFont(new Font("Arial", Font.PLAIN, 15)); term.setSize(250, 20);

term.setLocation(150, 400); c.add(term);

sub = new JButton("Submit");

sub.setFont(new Font("Arial", Font.PLAIN, 15)); sub.setSize(100, 20);

sub.setLocation(150, 450); sub.addActionListener(this); c.add(sub);

reset = new JButton("Reset");

reset.setFont(new Font("Arial", Font.PLAIN, 15)); reset.setSize(100, 20);

reset.setLocation(270, 450); reset.addActionListener(this); c.add(reset);

tout = new JTextArea();

tout.setFont(new Font("Arial", Font.PLAIN, 15)); tout.setSize(300, 400);

tout.setLocation(500, 100); tout.setLineWrap(true); tout.setEditable(false);

c.add(tout);

res = new JLabel("");

res.setFont(new Font("Arial", Font.PLAIN, 20)); res.setSize(500, 25);

res.setLocation(100, 500); c.add(res);

resadd = new JTextArea();

resadd.setFont(new Font("Arial", Font.PLAIN, 15)); resadd.setSize(200, 75);

resadd.setLocation(580, 175); resadd.setLineWrap(true); c.add(resadd);

setVisible(true);

}

// method actionPerformed()

// to get the action performed

// by the user and act accordingly

public void actionPerformed(ActionEvent e) { if (e.getSource() == sub) {

if (term.isSelected()) { String data1;

String data = "Name : "

+ tname.getText() + "\n"

+ "Mobile : "

+ tmno.getText() + "\n"; if (male.isSelected())

data1 = "Gender : Male"

+ "\n";

else

data1 = "Gender : Female"

+ "\n";

String data2 = "DOB : "

+ (String) date.getSelectedItem()

+ "/" + (String) month.getSelectedItem()

+ "/" + (String) year.getSelectedItem()

+ "\n";

+ "-"

String dob\_str = "" + (String) year.getSelectedItem() + "-" + (String) month.getSelectedItem()

+ (String) date.getSelectedItem() + "";

String data3 = "Address : " + tadd.getText(); tout.setText(data + data1 + data2 + data3); tout.setEditable(false);

// Getting data in mysql try {

Class.forName("com.mysql.jdbc.Driver"); Connection con = DriverManager.getConnection(

"jdbc:mysql://localhost:3306/assign8?characterEncoding=utf8", "root", "spmm"); Statement stmt = con.createStatement();

String gender\_str = male.isSelected() ? "Male" : "Female";

('" ";.;");

String iquery = "INSERT INTO users (name, mobile, gender, dob, address, terms) VALUES

+ tname.getText() + "', '" + tmno.getText() + "', '"

+ gender\_str + "', '" + dob\_str + "', '" + tadd.getText() + "', 1)";

// Execute the INSERT statement stmt.execute(iquery); res.setText("Registration Successfully..");

ResultSet rs = stmt.executeQuery("select \* from users"); while (rs.next())

System.out.println(rs.getInt(1) + " " + rs.getString(2) + " " + rs.getString(3)); con.close();

} catch (Exception ep) { System.out.println(

"set classpath=" + "C:\\Program Files\\Java\\jdk-21\\bin\\mysql-connector.jar" +

System.out.println(ep);

}

// // Check if the login is successful

// if (loginSuccessful()) {

// // Show successful login message

// tout.setText("Login successful!");

// } else {

// // Show error message

// res.setText("Login failed.");

// }

} else {

tout.setText("");

resadd.setText(""); res.setText("Please accept the"

+ " terms & conditions..");

}

}

else if (e.getSource() == reset) { String def = ""; tname.setText(def);

tadd.setText(def); tmno.setText(def); res.setText(def); tout.setText(def); term.setSelected(false); date.setSelectedIndex(0); month.setSelectedIndex(0); year.setSelectedIndex(0); resadd.setText(def);

}

}

}

// Driver Code class Registration {

public static void main(String[] args) throws Exception { MyFrame f = new MyFrame();

}

}

**Output:-**







