**Practical A.6**

**Aim –**Write a program to create a form to enter bio-data of student. Use  
various components such as JLabel, JButton, JTextField, JTextArea, JComboBox,  
JOptionPane, JCheckBox.

Code:- import java.awt.BorderLayout;

import java.awt.EventQueue;

import javax.swing.JFrame;

import javax.swing.JPanel;

import javax.swing.border.EmptyBorder;

import javax.swing.JLabel;

import javax.swing.JTextField;

import javax.swing.JRadioButton;

import javax.swing.JList;

import javax.swing.JOptionPane;

import javax.swing.AbstractListModel;

import javax.swing.ButtonGroup;

import javax.swing.event.ListSelectionEvent;

import javax.swing.event.ListSelectionListener;

import java.awt.Panel;

import javax.swing.JTextArea;

import javax.swing.JButton;

import java.awt.List;

import java.awt.event.ActionListener;

import java.awt.event.ActionEvent;

import javax.swing.JCheckBox;

import java.awt.Font;

public class A6 extends JFrame {

private JPanel contentPane;

private JTextField txtDob;

private JTextField txtEmail;

private JTextField txtName;

private JTextField txtCon;

private JTextField txtOth;

/\*\*

\* Launch the application.

\*/

public static void main(String[] args) {

EventQueue.invokeLater(new Runnable() {

public void run() {

try {

A6 frame = new A6();

frame.setVisible(true);

} catch (Exception e) {

e.printStackTrace();

}

}

});

}

/\*\*

\* Create the frame.

\*/

public A6() {

setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

setBounds(100, 100, 449, 397);

contentPane = new JPanel();

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

setContentPane(contentPane);

contentPane.setLayout(null);

Panel panel = new Panel();

panel.setBounds(10, 10, 227, 309);

contentPane.add(panel);

panel.setLayout(null);

JLabel lblName = new JLabel("Name");

lblName.setBounds(9, 8, 69, 14);

panel.add(lblName);

txtCon = new JTextField();

txtCon.setBounds(94, 278, 86, 20);

panel.add(txtCon);

txtCon.setColumns(10);

txtName = new JTextField();

txtName.setBounds(94, 5, 86, 20);

panel.add(txtName);

txtName.setColumns(10);

txtDob = new JTextField();

txtDob.setBounds(94, 105, 86, 20);

panel.add(txtDob);

txtDob.setColumns(10);

txtEmail = new JTextField();

txtEmail.setBounds(94, 180, 86, 20);

panel.add(txtEmail);

txtEmail.setColumns(10);

JLabel lblAdd = new JLabel("Address");

lblAdd.setBounds(9, 33, 69, 14);

panel.add(lblAdd);

JLabel lblGen = new JLabel("Gender");

lblGen.setBounds(9, 137, 69, 14);

panel.add(lblGen);

JRadioButton r1 = new JRadioButton("Male");

r1.setBounds(9, 153, 69, 23);

panel.add(r1);

JLabel lblEmail = new JLabel("Email");

lblEmail.setBounds(9, 183, 62, 14);

panel.add(lblEmail);

JRadioButton r2 = new JRadioButton("Female");

r2.setBounds(93, 150, 87, 23);

panel.add(r2);

ButtonGroup bg = new ButtonGroup();

bg.add(r1);

bg.add(r2);

JLabel lblNewLabel\_1 = new JLabel("Language Known");

lblNewLabel\_1.setBounds(10, 212, 113, 14);

panel.add(lblNewLabel\_1);

JLabel lblDoB = new JLabel("DOB");

lblDoB.setBounds(9, 108, 62, 14);

panel.add(lblDoB);

JTextArea txtAdd = new JTextArea();

txtAdd.setBounds(94, 36, 113, 49);

panel.add(txtAdd);

JLabel lblNewLabel\_2 = new JLabel("Contact");

lblNewLabel\_2.setBounds(10, 281, 68, 14);

panel.add(lblNewLabel\_2);

JList list = new JList();

list.setFont(new Font("Tahoma", Font.PLAIN, 9));

list.setModel(new AbstractListModel() {

String[] values = new String[] {"English", "Hindi", "Marathi", "Tamil"};

public int getSize() {

return values.length;

}

public Object getElementAt(int index) {

return values[index];

}

});

list.setBounds(111, 211, 69, 56);

panel.add(list);

String Lang = "";

Object[] obj = list.getSelectedValues();{

/\*

String str = "Language Known : ";

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

str += obj[i]+" ";

}

\*/

Panel panel\_1 = new Panel();

panel\_1.setBounds(259, 22, 164, 185);

contentPane.add(panel\_1);

panel\_1.setLayout(null);

JLabel lblNewLabel\_3 = new JLabel("Hobbies");

lblNewLabel\_3.setBounds(10, 11, 57, 14);

panel\_1.add(lblNewLabel\_3);

JCheckBox cb1 = new JCheckBox("Music");

cb1.setBounds(57, 7, 97, 23);

panel\_1.add(cb1);

JCheckBox cb2 = new JCheckBox("Dance");

cb2.setBounds(57, 32, 97, 23);

panel\_1.add(cb2);

JCheckBox cb3 = new JCheckBox("Sports");

cb3.setBounds(57, 58, 97, 23);

panel\_1.add(cb3);

JLabel lblNewLabel\_4 = new JLabel("Other");

lblNewLabel\_4.setBounds(13, 93, 62, 14);

panel\_1.add(lblNewLabel\_4);

txtOth = new JTextField();

txtOth.setBounds(68, 90, 86, 20);

panel\_1.add(txtOth);

txtOth.setColumns(10);

JButton b1 = new JButton("Submit");

b1.setBounds(106, 325, 89, 23);

contentPane.add(b1);

JButton b2 = new JButton("Reset");

b2.setBounds(205, 325, 89, 23);

contentPane.add(b2);

b2.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

txtName.setText("");

txtAdd.setText("");

txtDob.setText("");

txtCon.setText("");

txtEmail.setText("");

txtOth.setText("");

cb1.setSelected(false);

cb2.setSelected(false);

cb3.setSelected(false);

bg.clearSelection();

list.setSelectedIndex(0);

//list.ensureIndexIsVisible(-1);

}

});

b1.addActionListener(new ActionListener() {

public void actionPerformed(ActionEvent e) {

String msg = "Your detail are :\n";

msg += "Name : "+txtName.getText()+"\nAddress : "+txtAdd.getText()+"\nDOB : "+txtDob.getText();

if(r1.isSelected())

msg +="\nGender : Male";

if(r2.isSelected())

msg +="\nGender : Female";

msg += "\nEmail : "+txtEmail.getText();

msg += "\n Language Selected : ";

Object[] obj = list.getSelectedValues();

for(Object o:obj)

msg += o+" ";

msg += "\nContact : "+txtCon.getText();

if(cb1.isSelected())

msg +="\nHobbies : Music";

else if(cb2.isSelected())

msg +="\nHobbies : Dance";

else if(cb3.isSelected())

msg +="\nHobbies : Sports";

msg += "\nOther : "+txtOth.getText();//cb1.getSelectedItem();

JOptionPane.showMessageDialog(b1, msg);

}

});

}

}

}

Output:-

