**AJP CODES**

**GUI 2 STUDENT DETAILS**

package studentdetails;

import java.awt.\*;

import javax.swing.\*;

import javax.swing.text.JTextComponent;

import java.awt.event.\*;

import java.lang.\*;

public class StudentPersonalDetails implements ActionListener {

JFrame f;

JTextField t1,t2,t3,t4,t5;

JLabel j1,j2,j3,j4;

JTextArea Area;

public static void main(String[] args) {

new StudentPersonalDetails();

}

StudentPersonalDetails() {

JFrame f = new JFrame();

Container contentPane = f.getContentPane();

contentPane.setLayout(new FlowLayout());

j1 = new JLabel("Enter First Name:");

t1 = new JTextField(50);

contentPane.add(j1);

contentPane.add(t1);

j2 = new JLabel("Enter Last Name");

t2 = new JTextField(50);

contentPane.add(j2);

contentPane.add(t2);

JTextArea TA = new JTextArea();

contentPane.add(TA);

j3 = new JLabel("Enter Email Address:");

t3 = new JTextField(50);

contentPane.add(j3);

contentPane.add(t3);

j4 = new JLabel("Enter Mobile Number:");

t4 = new JTextField(50);

contentPane.add(j4);

contentPane.add(t4);

JButton b1 = new JButton("Submit");

contentPane.add(b1);

b1.addActionListener(this);

f.setSize(100,100);

f.setVisible(true);

}

public void actionPerformed(ActionEvent ae)

{

JTextComponent TA = null;

String s = t1.getText();

String s2 = t2.getText();

String e = t3.getText();

String m = t4.getText();

String s3 = "NAME: "+s+" "+s2+"\n"+"EMAIL: "+e+"\n"+"MOBILE: "+m;

JOptionPane.showMessageDialog(TA,s3);

System.out.println(TA);

}

}

**GUI STUDENTS MARKS**

package javaapplication19;

import java.awt.\*;

import static java.awt.FlowLayout.RIGHT;

import javax.swing.\*;

import java.awt.event.\*;

import java.lang.\*;

public class Studentdata extends JApplet implements ActionListener {

JTextField t1,t2,t3,t4,t5;

JLabel j1,j2,j3,j4;

int result;

public void init() {

JPanel contentPane = (JPanel) getContentPane();

contentPane.setLayout(new FlowLayout());

j1 = new JLabel("Enter Physics Marks");

t1 = new JTextField(20);

contentPane.add(j1);

contentPane.add(t1);

j2 = new JLabel("Enter Maths 1 Marks");

t2 = new JTextField(20);

contentPane.add(j2);

contentPane.add(t2);

t3 = new JTextField(20);

j3 = new JLabel("Enter Chemistry Marks");

contentPane.add(j3);

contentPane.add(t3);

t4 = new JTextField(20);

j4 = new JLabel("Enter BXE Marks");

contentPane.add(j4);

contentPane.add(t4);

JButton b1 = new JButton("Display Result");

t5 = new JTextField(20);

contentPane.add(b1);

contentPane.add(t5);

b1.addActionListener(this);

}

public void actionPerformed(ActionEvent ae)

{

int a = Integer.parseInt(t1.getText());

int b = Integer.parseInt(t2.getText());

int c = Integer.parseInt(t3.getText());

int d = Integer.parseInt(t4.getText());

result=((a+b+c+d)\*100)/400;

t5.setText(Double.toString(result));

}

}

**KEYBOARD**

package javaapplication18;

import java.applet.Applet;

import java.awt.\*;

import java.applet.\*;

import java.awt.event.\*;

import javax.crypto.KeyAgreement;

public class NewApplet extends Applet implements KeyListener

{

String msg2 = "";

public void init()

{

addKeyListener(this);

requestFocus();

}

public void keyReleased(KeyEvent k)

{

showStatus("Key Released");

repaint();

}

public void keyUp(KeyEvent k)

{

msg2 += k.getKeyChar();

showStatus("Key Up");

}

public void keyDown(KeyEvent k)

{

msg2 += k.getKeyChar();

showStatus("Key Down");

}

public void keyTyped(KeyEvent k)

{

showStatus("Key Typed");

msg2 += k.getKeyChar();

repaint();

}

public void keyPressed(KeyEvent k)

{

showStatus("Key Pressed");

repaint();

}

public void paint(Graphics g)

{

g.drawString(msg2, 10, 100);

}

}

**MOUSE**

package mouse;

import java.awt.\*;

import java.awt.event.\*;

public class NewClass extends Frame implements MouseListener {

Label l;

NewClass() {

l = new Label();

l.setBounds(25, 60, 250, 30);

l.setAlignment(Label.CENTER);

this.add(l);

this.setSize(300, 300);

this.setLayout(null);

this.setVisible(true);

this.addMouseListener(this);

this.addWindowListener(new WindowAdapter(){});

}

public static void main(String[] args) {

new NewClass();

}

public void mouseClicked(MouseEvent e) {

l.setText("Mouse Clicked");

}

public void mousePressed(MouseEvent e) {

l.setText("Mouse Pressed");

}

public void mouseReleased(MouseEvent e) {

l.setText("Mouse Released");

}

public void mouseEntered(MouseEvent e) {

l.setText("Mouse Entered");

}

public void mouseExited(MouseEvent e) {

l.setText("Mouse Exited");

}

}

**TOMCAT**

New file-----Java----web application-------finish-----

**INETADDRESS**

package innet;

import java.io.\*;

import java.net.\*;

import java.util.\*;

class GFG{

public static void main(String[] args) throws UnknownHostException

{

//To get and print InetAddress of Local Host

InetAddress address1=InetAddress.getLocalHost();

System.out.println("InetAddress of Local Host : " + address1);

// To get and print InetAddress of Named Host

InetAddress address2 = InetAddress.getByName("45.22.30.39");

System.out.println("InetAddress of Named Host: " + address2);

// To get and print ALL InetAddresses of Named Host

InetAddress address3[] = InetAddress.getAllByName("172.19.25.29");

for (int i=0; i<address3.length; i++) {

System.out.println("ALL InetAddresses of Named Host: "+ address3[i]);

// To get and print InetAddresses of Host with specified IP Address

byte IPAddress[] = {125, 0, 0, 1};

InetAddress address4 = InetAddress.getByAddress(IPAddress);

System.out.println("InctAddresses of Host with specified IP Address: "+ address4);

//To get and print InetAddresses of Host with specified IP Address and hostname

byte[] IPAddress2 = {105, 22, (byte)223, (byte)186};

InetAddress address5=InetAddress.getByAddress("gfg.com", IPAddress2);

System.out.println("InetAddresses of Host with specified IP Address and hostname:"+ address5);

}}}