import java.awt.Graphics;

import java.awt.Image;

import java.awt.Toolkit;

import java.io.IOException;

import javax.swing.JPanel;

import java.awt.event.ActionEvent;

import java.awt.event.ActionListener;

import javax.swing.JButton;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JTextField;

import java.awt.Color;

import java.awt.Font;

import java.awt.Graphics;

import java.awt.Image;

import java.awt.Toolkit;

import java.io.IOException;

import javax.swing.JPanel;

import javax.swing.event.CaretListener;

import javax.swing.event.CaretEvent;

import java.awt.BorderLayout;

import java.awt.FlowLayout;

import java.awt.LayoutManager;

import javax.swing.ImageIcon;

import javax.swing.JOptionPane;

import javax.imageio.ImageIO;

import java.io.File;

import java.io.IOException;

public class Test extends javax.swing.JFrame implements ActionListener {

Image img = Toolkit.getDefaultToolkit().getImage("D:\\nazar.png");

JButton jb1, jb2, jb3;

JTextField jt1, jt2, jt3, jt4;

JLabel lbl, lbl2, lbl3, lbl4, lbl5;

public Test() throws IOException {

try{

setIconImage(ImageIO.read(new File("D:\\iconn.png")));

}

catch (IOException e){

e.printStackTrace();

}

this.setContentPane(new JPanel() {

@Override

public void paintComponent(Graphics g) {

super.paintComponent(g);

g.drawImage(img, 0, 0, null);

}

});

pack();

setVisible(true);

getContentPane().setBackground(Color.ORANGE);

jt1 = new JTextField();

jt1.setBounds(650, 50, 350, 40 );

add(jt1);

/\* jt2 = new JTextField();

jt2.setBounds(250, 90, 200, 30 );

add(jt2);\*/

jt3 = new JTextField();

jt3.setBounds(650, 100, 350, 40 );

add(jt3);

jt4 = new JTextField();

jt4.setBounds(650, 150, 350, 40 );

add(jt4);

lbl = new JLabel("Result Fahrenheit :");

lbl.setForeground(Color.BLUE);

lbl.setBounds(400, 90, 250, 50);

lbl.setFont(new Font("Times New Roman", Font.BOLD, 20));

add(lbl);

lbl4 = new JLabel("Result Celsius :");

lbl4.setForeground(Color.BLUE);

lbl4.setBounds(400, 140, 250, 50);

lbl4.setFont(new Font("Times New Roman", Font.BOLD, 20));

add(lbl4);

lbl2 = new JLabel("Input Celsius or Fahrenheit : ");

lbl2.setForeground(Color.BLUE);

lbl2.setBounds(400, 40, 250, 50);

lbl2.setFont(new Font("Times New Roman", Font.BOLD, 20));

add(lbl2);

lbl5 = new JLabel(" SOFTWARE CONVERTOR TEMPERATURE ");

lbl5.setForeground(Color.BLUE);

lbl5.setBounds(400, 500, 850, 50);

lbl5.setFont(new Font("Times New Roman", Font.BOLD, 40));

add(lbl5);

/\*lbl3 = new JLabel("Input Fahrenheit");

lbl3.setBounds(140, 80, 170, 50);

lbl3.setFont(new Font("Times New Roman", Font.BOLD, 12));

add(lbl3); \*/

jb1 = new JButton("Convert to Fahrenheit ");

jb1.setBounds(650, 200, 350, 30);

jb1.setFont(new Font("Times New Roman", Font.BOLD, 12));

add(jb1);

jb2 = new JButton("Convert to Celsius ");

jb2.setBounds(650, 240, 350, 30);

jb2.setFont(new Font("Times New Roman", Font.BOLD, 12));

add(jb2);

jb3 = new JButton("Clear");

jb3.setBounds(650, 280, 350, 30);

jb3.setFont(new Font("Times New Roman", Font.BOLD, 12));

add(jb3);

jb1.addActionListener(this);

jb2.addActionListener(this);

jb3.addActionListener(this);

setLayout(null);

setSize(1370, 700);

setVisible(true);

jb1.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

double a = Double.parseDouble(jt1.getText());

double b = ((a\*9)/5)+32;

if (e.getSource().equals(jb1)) {

jt3.setText(String.valueOf(b));

}

}

});

jb2.addActionListener(new ActionListener() {

@Override

public void actionPerformed(ActionEvent e) {

double c = Double.parseDouble(jt1.getText());

double d = ((c - 32 )\*5)/9;

if (e.getSource().equals(jb2)) {

jt4.setText(String.valueOf(d));

}

}

});

}

public void actionPerformed(ActionEvent e){

getContentPane().setBackground(Color.GREEN);

if (e.getSource().equals(jb3)){

getContentPane().setBackground(Color.ORANGE);

jt1.setText(" ");

/\*jt2.setText(" ");\*/

jt3.setText(" ");

jt4.setText(" ");

}

}

public static void main(String args[]) throws Exception {

Test t = new Test();

}

}