package 通过GUI界面调节颜色\_作业;

import java.awt.\*;

import java.awt.event.ActionEvent;

import java.awt.event.InputEvent;

import java.awt.event.KeyEvent;

import javax.swing.\*;

public class MyFrame1 extends JFrame{

private int fontSize1=130;

private int fontSize2=130;

private int fontSize3=130;

MyFrame1()

{

JPanel container=new JPanel();

JButton button=new JButton("Reset");

JPanel panel=new JPanel();

panel.add(button);

JLabel label=new JLabel("Red Component:");

JLabel label2=new JLabel("Green Component:");

JLabel label3=new JLabel("Blue Component:");

JSlider slider=new JSlider(0,250,fontSize1);

JSlider slider1=new JSlider(0,250,fontSize2);

JSlider slider2=new JSlider(0,250,fontSize3);

button.addActionListener(e->{

//slider2=new JSlider(0,250,fontSize2);

slider.setValue(130);

slider1.setValue(130);

slider2.setValue(130);

label2.setFont(new Font("Serif",Font.***PLAIN***,30));

label3.setFont(new Font("Serif",Font.***PLAIN***,30));

label.setFont(new Font("Serif",Font.***PLAIN***,30));

});

container.setLayout(new GridLayout(4,3));

label.setFont(new Font("Serif",Font.***PLAIN***,30));

container.add(label);

slider.setMajorTickSpacing(50);

slider.setMinorTickSpacing(10);

slider.setPaintTicks(true);

slider.setPaintLabels(true);

slider.setSnapToTicks(true);

slider.setOpaque(false);

container.add(slider);

slider.addChangeListener(e->{

fontSize1=slider.getValue();

Color a=new Color(fontSize1,fontSize2,fontSize3);

container.setBackground(a);

panel.setBackground(a);

});

label2.setFont(new Font("Serif",Font.***PLAIN***,30));

container.add(label2);

slider1.setMajorTickSpacing(50);

slider1.setMinorTickSpacing(10);

slider1.setPaintTicks(true);

slider1.setPaintLabels(true);

slider1.setSnapToTicks(true);

slider1.setOpaque(false);

container.add(slider1);

slider1.addChangeListener(e->{

fontSize2=slider1.getValue();

Color a=new Color(fontSize1,fontSize2,fontSize3);

container.setBackground(a);

panel.setBackground(a);

});

label3.setFont(new Font("Serif",Font.***PLAIN***,30));

container.add(label3);

slider2.setMajorTickSpacing(50);

slider2.setMinorTickSpacing(10);

slider2.setPaintTicks(true);

slider2.setPaintLabels(true);

slider2.setSnapToTicks(true);

slider2.setOpaque(false);

container.add(slider2);

slider2.addChangeListener(e->{

fontSize3=slider2.getValue();

Color a=new Color(fontSize1,fontSize2,fontSize3);

container.setBackground(a);

panel.setBackground(a);

});

Color a=new Color(fontSize1,fontSize2,fontSize3);

container.setBackground(a);

panel.setBackground(a);

JMenuBar menubar=new JMenuBar();

JMenu menu=new JMenu("Font");

ImageIcon ico1=new ImageIcon("D:/图片/java/serif.png");

JMenuItem item1=new JMenuItem("Serif",ico1);

item1.setAccelerator(KeyStroke.*getKeyStroke*(KeyEvent.***VK\_S***,ActionEvent.***CTRL\_MASK***));

item1.addActionListener(e->{

label2.setFont(new Font("Serif",Font.***PLAIN***,30));

label3.setFont(new Font("Serif",Font.***PLAIN***,30));

label.setFont(new Font("Serif",Font.***PLAIN***,30));

});

ImageIcon ico2=new ImageIcon("D:/图片/java/SanSerif.png");

JMenuItem item2=new JMenuItem("Sanserif",ico2);

item2.setAccelerator(KeyStroke.*getKeyStroke*(KeyEvent.***VK\_N***,ActionEvent.***CTRL\_MASK***));

item2.addActionListener(e->{

label2.setFont(new Font("SanSerif",Font.***PLAIN***,30));

label3.setFont(new Font("SanSerif",Font.***PLAIN***,30));

label.setFont(new Font("SanSerif",Font.***PLAIN***,30));

});

ImageIcon ico3=new ImageIcon("D:/图片/java/monospaced.png");

JMenuItem item3=new JMenuItem("Mono Spaced",ico3);

item3.setAccelerator(KeyStroke.*getKeyStroke*(KeyEvent.***VK\_M***,ActionEvent.***CTRL\_MASK***));

item3.addActionListener(e->{

label2.setFont(new Font("MonoSpaced",Font.***PLAIN***,30));

label3.setFont(new Font("MonoSpaced",Font.***PLAIN***,30));

label.setFont(new Font("MonoSpaced",Font.***PLAIN***,30));

});

menu.add(item1);

menu.addSeparator();

menu.add(item2);

menu.addSeparator();

menu.add(item3);

menubar.add(menu);

setJMenuBar(menubar);

add(panel,BorderLayout.***SOUTH***);

add(container,BorderLayout.***CENTER***);

setSize(500,500);

setDefaultCloseOperation(***EXIT\_ON\_CLOSE***);

setVisible(true);

}

}





