REMEMBER TO CHANGE THE TEXT COLOR OF ANY CODE YOU HAVE WRITTEN.

```
//Provide any links of sites you used as references
(LINK FOR SLIDER: https://www.youtube.com/watch?v=t002Fxuq7-g)
//GUI Click Counter VERSION 1
package Library;
import javax.swing.*;
import javax.swing.event.ChangeEvent;
import javax.swing.event.ChangeListener;
import java.awt.*;
import java.awt.event.*;
public class GUI implements ActionListener, ChangeListener {
   private int clicks = 0;
   private JLabel label1 = new JLabel("Number of clicks: 0
                                                              ");
   private JFrame frame = new JFrame();
   private JButton button1;
   private JButton button2;
   private JSlider slider;
   private int change;
   public GUI() {
       // the clickable button
       button1 = new JButton("Increase");
       button2 = new JButton ("Decrease");
       slider = new JSlider (JSlider.HORIZONTAL, 0, 20, 0);
       slider.setMajorTickSpacing(1);
       slider.setPaintTicks(true);
       slider.addChangeListener(this);
       button1.addActionListener(this);
       button2.addActionListener(this);
       // the panel with the button and text
       JPanel panel = new JPanel();
       panel.setBorder(BorderFactory.createEmptyBorder(30, 30, 10, 30));
       panel.setLayout(new GridLayout(0, 1));
```

```
panel.add(button1);
    panel.add(button2);
    panel.add(slider);
    panel.add(label1);
    // set up the frame and display it
    frame.add(panel, BorderLayout.CENTER);
    frame.setDefaultCloseOperation(JFrame.EXIT ON CLOSE);
    frame.setTitle("GUI");
    frame.pack();
    frame.setVisible(true);
// process the button clicks
public void actionPerformed(ActionEvent e) {
  if (e.getSource() == button1) {
         clicks+=change;
  else if (e.getSource() == button2) {
         clicks-=change;
    label1.setText("Number of clicks: " + clicks);
// create one Frame
public static void main(String[] args) {
    new GUI();
  @Override
  public void stateChanged(ChangeEvent e) {
         // TODO Auto-generated method stub
         change = slider.getValue();
```

```
//Provide any links of sites you used as references →
https://docs.oracle.com/javase/tutorial/uiswing/components/colorchooser.html
//GUI Click Counter Version 2
package Library;
import javax.swing.*;
import javax.swing.event.ChangeEvent;
import javax.swing.event.ChangeListener;
import java.awt.Color;
import java.awt.*;
import java.awt.event.*;
public class GUI implements ActionListener, ChangeListener {
   private int clicks = 0;
   private JLabel label1 = new JLabel("Number of clicks: 0
                                                              ");
   private JFrame frame = new JFrame();
   private JButton button1;
   private JButton button2;
   private JSlider slider;
   private int change;
   public GUI() {
       // the clickable button
       button1 = new JButton("Increase");
       button2 = new JButton ("Decrease");
       slider = new JSlider (JSlider.HORIZONTAL, 0, 20, 0);
       slider.setMajorTickSpacing(1);
       slider.setPaintTicks(true);
       slider.addChangeListener(this);
       button1.addActionListener(this);
       button2.addActionListener(this);
       // the panel with the button and text
       JPanel panel = new JPanel();
      panel.setBackground(Color.RED);
       panel.setBorder(BorderFactory.createEmptyBorder(30, 30, 10, 30));
```

```
panel.setLayout(new GridLayout(3, 3));
    panel.add(button1);
    panel.add(button2);
    panel.add(slider);
    panel.add(label1);
    // set up the frame and display it
    frame.add(panel, BorderLayout.CENTER);
    frame.setDefaultCloseOperation(JFrame.EXIT ON CLOSE);
    frame.setTitle("GUI");
    frame.pack();
    frame.setVisible(true);
// process the button clicks
public void actionPerformed(ActionEvent e) {
  if (e.getSource() == button1) {
         clicks+=change;
  else if (e.getSource() == button2) {
         clicks-=change;
    label1.setText("Number of clicks: " + clicks);
// create one Frame
public static void main(String[] args) {
    new GUI();
  @Override
  public void stateChanged(ChangeEvent e) {
         // TODO Auto-generated method stub
         change = slider.getValue();
```