1. GUI Program to display the current mouse coordinates on the window.

2. GUI Program to implement a simple Timer (using background events). Include a Start and Stop button to control the timer.

```
import javax.swing.*;
import java.ant.*;
import java.ant.*
injort java.ant.*
in
```

3. Create a GUI with a JComboBox containing image names. On selection, display the corresponding image using a JLabel and ItemListener.

4. GUI with a JTextArea and a label. As the user types, show the character count and word count in real-time using a KeyListener.

```
import javax.swing.*;
import java.swt.ey.
```

5. Write Java GUI Program using Swing to change background on selecting color.

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
public class ColorChanger extends JFrame {
     private JComboBox<String> colorComboBox;
     private JPanel mainPanel;
    // Color names and their corresponding Color objects
private final String[] colorNames = { "White", "Red", "Green", "Blue", "Yellow", "Orange", "Gray", "Cyan" };
     public ColorChanger() {
         setTitle("Background Color Changer");
         setSize(400, 300);
         setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
         // Panel to change background color
         mainPanel = new JPanel();
         mainPanel.setLayout(new FlowLayout());
         // Combo box for color selection
         colorComboBox = new JComboBox<>(colorNames);
         mainPanel.add(new JLabel("Select a color:"));
         mainPanel.add(colorComboBox);
          // Item listener to change background color
         colorComboBox.addItemListener(new ItemListener() {
              @Override
              public void itemStateChanged(ItemEvent e) {
                   if (e.getStateChange() == ItemEvent.SELECTED) {
                       String selectedColor = (String) colorComboBox.getSelectedItem();
                       mainPanel.setBackground(getColorByName(selectedColor));
                   }
              }
         });
          add(mainPanel);
         setVisible(true);
     // Utility method to convert color name to Color object
     private Color getColorByName(String name) {
         return switch (name) {
  case "Red" -> Color.RED;
  case "Green" -> Color.GREEN;
  case "Blue" -> Color.BLUE;
              case "Yellow" -> Color.BLUE;
case "Yellow" -> Color.ORANGE;
case "Gray" -> Color.GRAY;
case "Cyan" -> Color.CYAN;
              default -> Color.WHITE;
         };
     }
     public static void main(String[] args) {
         SwingUtilities.invokeLater(ColorChanger::new);
}
```