CSC 2310: PRINCIPLES OF COMPUTER PROGRAMMING Lab 12

How to Submit

Please submit your answers to the lab instructor once you have completed. Failure to submit will result in a **ZERO FOR THIS LAB. NO EXCEPTIONS**.

Execute the following PushCounter class and PushCounterPanel class.

```
import javax.swing.JFrame;
public class PushCounter
{
       //-----
       // Creates and displays the main program frame.
       public static void main(String[] args)
          JFrame frame = new JFrame("Push Counter");
          frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
          PushCounterPanel panel = new PushCounterPanel();
          frame.getContentPane().add(panel);
          frame.pack();
         frame.setVisible(true);
}
import java.awt.*;
import java.awt.event.*;
import javax.swing.*;
public class PushCounterPanel extends JPanel
{
       private int count;
       private JButton push;
       private JLabel label;
       //-----
       // Constructor: Sets up the GUI.
       //-----
       public PushCounterPanel()
```

```
count = 0;
           push = new JButton("Push Me!");
           label = new Jlabel();
           push.addActionListener(new ButtonListener());
           add(push);
           add(label);
           setBackground(Color.cyan);
           setPreferredSize(new Dimension(300, 40));
        }
  // Represents a listener for button push (action) events.
     private class ButtonListener implements ActionListener
     {
           public void actionPerformed(ActionEvent event)
             count++;
             label.setText("Pushes: " + count);
     }
}
```