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/*--- CBn.java ---*/
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
Class Cbn that adds functionality to JButton and adds some ActionListening function
@author Thompson, Joshua 206360
public class CBn extends JButton implements ActionListener, WindowListener {
  count datafield that is used to count how many times the user has
  clicked the button
 private int count = 0;
  Constructor for CBn.
  Oparam label The desired label for the button
  Oparam j Takes a JFrame object in order to add WindowListening
  public CBn(String label, JFrame j)
   super(label);
   this.addActionListener(this);
    j.addWindowListener(this);
  When this method is called, the count datafield is incremented. Called when
  the user clicks the button.
  @param e ActionEvent parameter
  public void actionPerformed(ActionEvent e)
   count++;
  /**
  Method that listens for when the window is closing. When this is called, the
  count value is printed to the screen and the program is exitted.
  @param e WindowEvent parameter
  public void windowClosing (WindowEvent e)
   System.out.println("Button clicked " + count + " times.");
   System.exit(0);
 public void windowActivated(WindowEvent e)
  public void windowClosed(WindowEvent e)
 public void windowDeactivated(WindowEvent e)
 public void windowDeiconified(WindowEvent e)
  public void windowIconified(WindowEvent e)
 public void windowOpened(WindowEvent e)
  { }
/*--- Ex1.java ---*/
import javax.swing.*;
Class Ex1 where the HW1Frame is created and made visible to the user. Not much
else is going on here.
@author Thompson, Joshua 206360
```

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public class Ex1 {
  Main method for Ex1. Does the main stuff already stated above.
  Oparam args Doesnt do anything to put parameters
  public static void main(String[] args) {
    JFrame F = new HW1Frame();
    F.setVisible(true);
/*--- HW1Frame.java ---*/
import javax.swing.*;
import java.awt.*;
/**
Class HW1Frame that extends JFrame. Uses a CBn object that
adds some characteristics to button presses and window closing actions.
@author Thompson, Joshua 206360
public class HW1Frame extends JFrame {
  Constructor for HW1Frame
  public HW1Frame() {
    CBn b = new CBn ("click me", this);
    add(b, BorderLayout.NORTH);
    pack();
```