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package Unit02;
import javax.swing.*;
import java.awt.event.*;
import java.awt.BorderLayout;          //required for BorderLayout N,S,E,W,C

/*
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 *   This program shows the basic layout of BorderLayout and places
 *   5 different JButtons into those regions
 */

public class MyFirstWindow07 {

    static class Open implements ActionListener{          //for now - DO IT!!!
        public void actionPerformed(ActionEvent e){
            JFrame aNewWindow = new JFrame("Hey, I'm the new window!");
            aNewWindow.setSize(600,200);
            aNewWindow.setVisible(true);
        }
    }

    static class CloseWindow implements ActionListener{    //Accept these 5 lines
        public void actionPerformed(ActionEvent e){        //Named CloseWindow
            System.exit(0);                                //Can name anything
        }
    }

    public static void main(String[] args) {

        //Build Frame Window with new icon and set window size
        JFrame theWindow = new JFrame("My First Window");          //Window Object
        theWindow.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE); //default close
        ImageIcon myNewIcon = new ImageIcon("C:\\Users\\sauxh\\Documents\\"
            + "NetBeansProjects\\2016APcsci\\src\\Images\\star.jpg");
        theWindow.setIconImage(myNewIcon.getImage());              // set the icon!
        theWindow.setSize(400,400);                                // we have a forced window size

        /*
            In this lesson, we are learning about BorderLayout, which splits
            the output window (JFrame) into 5 main areas:  NORTH, SOUTH, EAST,
            WEST, and CENTER.  We are able to place objects into each "region"

            Notice:  Below, I create the button and then add the button to the
            main JFrame.  Many will create all the buttons and then add them
            all to the Frame.  Either way is fine.
        */
    }
}

```

```

//Create 5 buttons and place them in the 5 BorderLayout regions
JButton northButton = new JButton("North Button");           // creates object
theWindow.add(northButton, BorderLayout.NORTH); //put button in ContentPane
JButton southButton = new JButton("South Button");           // creates object
theWindow.add(southButton, BorderLayout.SOUTH); //put button in ContentPane
JButton eastButton = new JButton("East Button");             // creates object
theWindow.add(eastButton, BorderLayout.EAST); //put button in ContentPane
JButton westButton = new JButton("West Button");             // creates object
theWindow.add(westButton, BorderLayout.WEST); //put button in ContentPane
JButton centerButton = new JButton("Center Button");         // creates object
theWindow.add(centerButton, BorderLayout.CENTER); //put button in ContentPane


//Create the menu bar
JMenuBar niceNewMenu = new JMenuBar();                       // build JMenuBar object
JMenu menuItem1 = new JMenu("FILE");                         // build a Menu object
JMenuItem subItem2 = new JMenuItem("Open");                 // New 1st sub-item
subItem2.addActionListener(new Open());                     // This time new action
menuItem1.add(subItem2);                                     // add subitem to menu
JMenuItem subItem1 = new JMenuItem("Exit");                  // build Menu subitem
subItem1.addActionListener(new CloseWindow());              // add action to subitem


//Build the menu bar
menuItem1.add(subItem1);                                     // add subitem to menu
niceNewMenu.add(menuItem1);                                 // add menu to bar
theWindow.setJMenuBar(niceNewMenu);                         // set JMenuBar to ours


theWindow.setVisible(true);                                 //make window show up!
}
}
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```