For: Dominic “Seth” Jones-Jackson

Assignment: Exercise 14.7 (Ones and Zeros)

GitHub URL: <https://github.com/sethveeper/Spring21_ProjectStarbucks>

Student: Please answer the questions, then use the Insert, Screenshot option in Word to snip an appropriate sample of your executing program’s output.

Copy the code from your .java file(s) into the code section below. Your code should match the code submitted in GitHub.

Be sure to review your graded assignment for instructor comments!

|  |
| --- |
| **Design** |
| After figuring out how to navigate JavaFX in NetBeans (You couldn’t have made a quick “Hello World” demonstration?) I arrived at the conclusion that I wanted to make a “Bin” component (The code for which is included) that sets a text label to “1” or “0”. Then it was a simple matter of pasting a bunch of them into a containing frame, and wrestling with the formatting to make it sit right. |
|  |

|  |
| --- |
| **Screenshot(s)** |
|  |
|  |

|  |
| --- |
| **Code** |
| package hellofx;  import java.util.Random;  /\*\*  \*  \* @author Seth Veeper  \* From Bin.java, where the actual code happens  \*/  public class Bin extends javax.swing.JPanel {    public static Random rand = new Random();    /\*\*  \* Creates new form Bin  \*/  public Bin() {  initComponents();    int input = rand.nextInt(2);//rand.nextInt(1);    lblNumber.setText(Integer.toString(input));  }  /\*\*  \*  \* This method is called from within the constructor to initialize the form.  \* WARNING: Do NOT modify this code. The content of this method is always  \* regenerated by the Form Editor.  \*/  @SuppressWarnings("unchecked")  // <editor-fold defaultstate="collapsed" desc="Generated Code">  private void initComponents() {  lblNumber = new javax.swing.JLabel();  setMaximumSize(new java.awt.Dimension(40, 40));  setMinimumSize(new java.awt.Dimension(35, 35));  setName(""); // NOI18N  setPreferredSize(new java.awt.Dimension(36, 36));  lblNumber.setBackground(new java.awt.Color(0, 0, 0));  lblNumber.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);  lblNumber.setText("0");  lblNumber.setBorder(javax.swing.BorderFactory.createBevelBorder(javax.swing.border.BevelBorder.RAISED, java.awt.Color.gray, java.awt.Color.gray, java.awt.Color.black, java.awt.Color.black));  lblNumber.setMaximumSize(new java.awt.Dimension(40, 40));  lblNumber.setMinimumSize(new java.awt.Dimension(35, 35));  lblNumber.setPreferredSize(new java.awt.Dimension(36, 36));  javax.swing.GroupLayout layout = new javax.swing.GroupLayout(this);  this.setLayout(layout);  layout.setHorizontalGroup(  layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  .addGroup(layout.createSequentialGroup()  .addComponent(lblNumber, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)  .addGap(0, 0, Short.MAX\_VALUE))  );  layout.setVerticalGroup(  layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  .addComponent(lblNumber, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)  );  }// </editor-fold>  // Variables declaration - do not modify  private javax.swing.JLabel lblNumber;  // End of variables declaration  } |
|  |