```java
/** package class namespace */
package loremipsummer;

/** required imports */
import java.awt.event.ActionListener;
import java.util.Arrays;
import java.util.Random;

/**
 * Project     : LoremIpsummer
 * Description : Yes!!! Finally the school year has ended~ woohoo!!!!!
 *               But you suddenly feel depressed. You're life feels... strangely
 *               empty. What could it be? I know, it's a lack of Lorem Ipsum!
 *               To satisfy your deep biological desire for Lorem Ipsum; you
 *               decide to make a program that generates Lorem Ipsum.
 *               (Even though it's really just random strings of characters, but
 *               that'll be our little secret~)
 * Author      : Lanz Povey
 * Date        : Feb 27th 2018
 * Instructor  : Mr. Wachs
 */
public class LoremIpsummer
{
    static final String LINE_BREAK  = "\n";
    static final String HEADER = "================================================";
    static String[] randomStrings;
    private static Object bounds;
    private static Object mousePos;
    private static ActionListener al;
    boolean contain;

    /**
     * the main method (default constructor class) of the application
     * @param args the command line arguments
     */
    public static void main(String[] args)
    {
        s.outputc();
        intro();
        String words = s.input("Exposition aside- let's get to the hip ipsum!!!"
                + LINE_BREAK + HEADER + " | Instructions | =" + HEADER + LINE_BREAK
                + "1) Type how much Lorem Ipsum words you want into the textbox"
                + LINE_BREAK + "2) Have fun"
                + LINE_BREAK + "3) Lots of fun" + LINE_BREAK + LINE_BREAK);
        String choice = s.input(HEADER + " | Frequently Asked Questions | " + HEADER
        + LINE_BREAK + "Fair greetings again my benevolent user!" + LINE_BREAK
        + "Would you wish to view the previous statement again!?" + LINE_BREAK
        + "(Don't worry it's \" free \")" + LINE_BREAK + LINE_BREAK + LINE_BREAK);
        if (choice.charAt(0) == 'y' || choice.charAt(0) == 's' || choice.charAt(0) == '!')
        { // recursive case
```

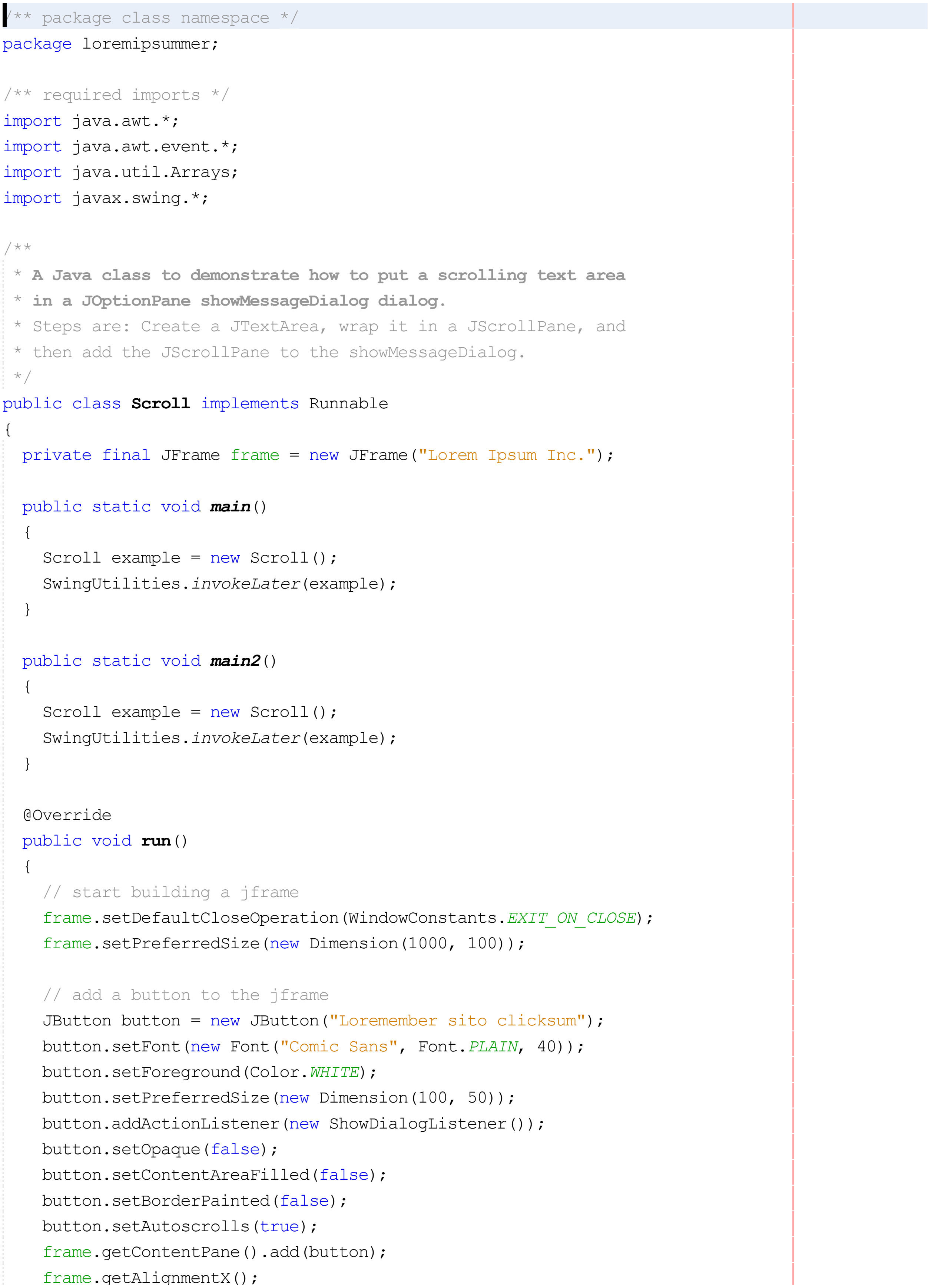
```java
            s.input("Exposition aside- let's get to the hip ipsum!!!"
                + LINE_BREAK + HEADER + " | Incisions | " + HEADER + LINE_BREAK
                + "1) Type how much Lorem Ipsum words you want into the textbox"
                + LINE_BREAK + "2) Have fun"
                + LINE_BREAK + "3) Lots of fun"+ LINE_BREAK + LINE_BREAK);
        }
        int wordCount = s.tryParse(words); // base case
        generateRandomWords(wordCount);
        Scroll.main();
        //s.sout(Arrays.toString(randomStrings)); // java.util.arrays
        //System.out.println(randomStrings);
        //s.output(randomStrings);
    }

    /**
     * A method that generates...
     * 1) A char array for the letters (# of letters)
     * 2) A String array for the words (# of words)
     * Of course, since there's no The-Entire-English-Language-Dictionary in Java,
     * the letters are random (pseudo-Lorem Ipsum-esque)
     * So don't be surprised if you be see a lot of weird i before e.
     * @param numberOfWords the amount of random words to generate
     * @return
     */
    public static String[] generateRandomWords(int numberOfWords)
    {
        randomStrings = new String[numberOfWords];
        Random random = new Random();
        for(int i = 0; i < numberOfWords; i++)
        {
            char[] word = new char[random.nextInt(8)+3]; // words of length 3 through 10.
            for(int j = 0; j < word.length; j++) // (1 and 2 letter words are boring)
            {
                word[j] = (char)('a' + random.nextInt(26));
            }
            randomStrings[i] = new String(word);
        }
        //s.sout(Arrays.toString(randomStrings)); // java.util.arrays
        s.output(Arrays.toString(randomStrings));
        String choice = s.input(HEADER + " | Frequently Asked Questions | " + HEADER
        + LINE_BREAK + "Fair greetings once more my benevolent user!!!" + LINE_BREAK
        + "Would you wish to view the previous statement again!?!?" + LINE_BREAK
        + "(Don't worry it's \" free \")" + LINE_BREAK + LINE_BREAK + LINE_BREAK);
        if (choice.charAt(0) == 'y' || choice.charAt(0) == 's' || choice.charAt(0) == '!')
        { // recursive case
            generateRandomWords(99999); // an optional pathway into the recursion
        }
        return randomStrings; // base case
    }
```

```java
/**
 * The intro method, consisting of a method that shortens JOptionPane.
 * Ironically, it is still rather long, so I put in here as to not break
 * my scroll wheel whenever I'm browsing the main class (default constructor)
 */
private static void intro()
{
    s.output(HEADER + " | Exposition | =" + HEADER + LINE_BREAK
    + "Yes!!! Finally the school year has ended~ woohoo!!!!!" + LINE_BREAK
    + "But you suddenly feel depressed. You're life feels... strangely "
    + "empty. What could it be? I know, it's a lack of Lorem Ipsum!" + LINE_BREAK
    + "To satisfy your deep biological desire for Lorem Ipsum; you"
    + " decide to make a program that generates Lorem Ipsum." + LINE_BREAK
    + "(Even though it's really just random strings of characters, but "
    + "that'll be our little secret~)" + LINE_BREAK
    + LINE_BREAK + LINE_BREAK + HEADER + "== | Slogan | ==" + HEADER + LINE_BREAK
    + "Nothing like starting off summer break with a little bit of "
    + "dolor sit amet!"
    + LINE_BREAK + LINE_BREAK + HEADER + " | Instructions | " + HEADER + LINE_BREAK
    + "1) Stop reading this and click the OK button." + LINE_BREAK
    + "2) You didn't listen. Whatever, once you click it, enter the "
    + "amount of words that you would like to generate in \" Lorem "
    + "Ipsum \" " + LINE_BREAK
    + "3) Click the you-know-what button" + LINE_BREAK
    + "4) Have fun!!!" + LINE_BREAK
    + "5) Don't have too much fun, as we at Lorem Ipsum Inc. are not "
    + "responsibile for any injuries, dismemberment deaths of/related "
    + "to fun. " + LINE_BREAK
    + "6) By clicking OK, you hereby provide your soul to Lorem Ipsum Inc." + LINE_BREAK
    + "7) The X button literally does noting so don't bother escaping."
    + LINE_BREAK + LINE_BREAK + HEADER + "= | Copyright | =" + HEADER + LINE_BREAK
    + "Lorem Ipsum Inc. 2018-2018" + LINE_BREAK
    + "All rights reserved" + LINE_BREAK
    + "Trademark (c)" + LINE_BREAK
    + "Something about Intellectual Property" + LINE_BREAK
    + "Also money." + LINE_BREAK);
    String choice = s.input(HEADER + " | Frequently Asked Questions | " + HEADER
    + LINE_BREAK + "Fair greetings my benevolent user!" + LINE_BREAK
    + "Would you wish to view the previous statement again?" + LINE_BREAK
    + "(Don't worry it's \" free \")" + LINE_BREAK + LINE_BREAK + LINE_BREAK);
    if (choice.charAt(0) == 'y' || choice.charAt(0) == 's' || choice.charAt(0) == '!')
    {
        intro(); // an optional pathway into the recursion
    }
    if (choice == "lorem ipsum")
    {
        s.output(HEADER + " | Warning | " + HEADER + LINE_BREAK
        + "Don't get too excited yet buddy, we ain't even past the settings yet"
        + LINE_BREAK + LINE_BREAK + LINE_BREAK + LINE_BREAK + LINE_BREAK
        + LINE_BREAK + LINE_BREAK + LINE_BREAK + LINE_BREAK + LINE_BREAK);
```

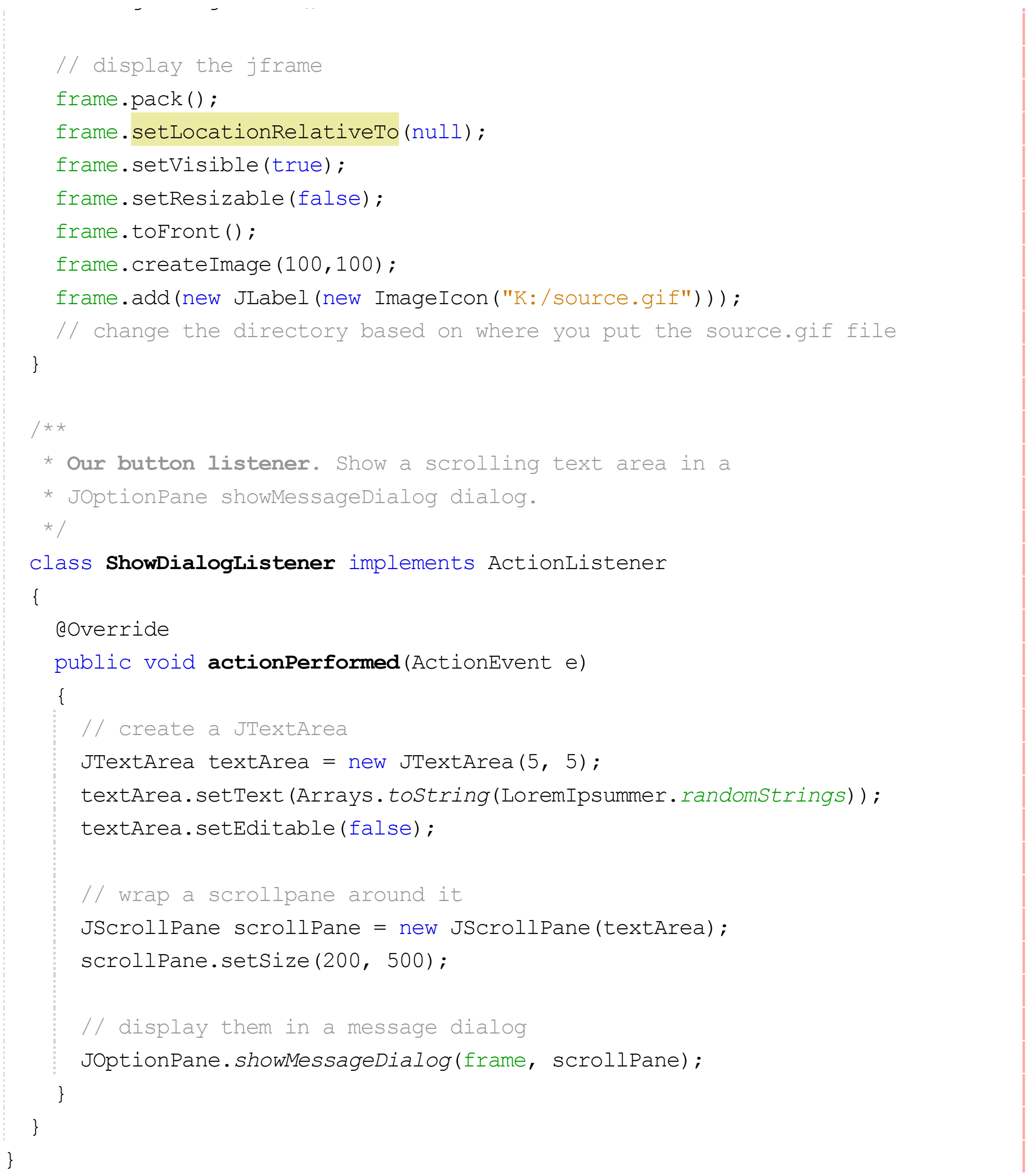
```
            + LINE_BREAK + LINE_BREAK + LINE_BREAK + LINE_BREAK + LINE_BREAK);
        }
    }
}
```

```
/** package class namespace */
package loremipsummer;

/** required imports */
import java.awt.Color;
import javax.swing.JOptionPane;
import javax.swing.UIManager;

/**
 * Project     : The s stands for supercalifragilisticexpialidocious
 * Description : Literally just my custom default template lol.
 * Author      : Lanz Povey
 * Date        : Mar 2 2018
 * Instructor  : Mr. Wachs
 */
public class s
{
      //comment out/in = ctrl + shift + c
      //These are just commented out as they aren't being used atm.
//    public static final String ANSI_RESET  = "\u001B[0m";
//    public static final String ANSI_BLACK  = "\u001B[30m";
//    public static final String ANSI_RED    = "\u001B[31m";
//    public static final String ANSI_GREEN  = "\u001B[32m";
//    public static final String ANSI_YELLOW = "\u001B[33m";
//    public static final String ANSI_BLUE   = "\u001B[34m";
//    public static final String ANSI_PURPLE = "\u001B[35m";
//    public static final String ANSI_CYAN   = "\u001B[36m";
//    public static final String ANSI_WHITE  = "\u001B[37m";
//
//    public static final String ANSI_BLACK_BACKGROUND  = "\u001B[40m";
//    public static final String ANSI_RED_BACKGROUND    = "\u001B[41m";
//    public static final String ANSI_GREEN_BACKGROUND  = "\u001B[42m";
//    public static final String ANSI_YELLOW_BACKGROUND = "\u001B[43m";
//    public static final String ANSI_BLUE_BACKGROUND   = "\u001B[44m";
//    public static final String ANSI_PURPLE_BACKGROUND = "\u001B[45m";
//    public static final String ANSI_CYAN_BACKGROUND   = "\u001B[46m";
//    public static final String ANSI_WHITE_BACKGROUND  = "\u001B[47m";

    public static final int MAX_INT = 2147483647;
    public static final String LINE_BREAK = "\n";

    //============================Code Shorteners===============================
    /**
     * A shortened JOPtionPane.showMessageDialog, as to help condense the code.
     * As it is the only type of possible output, it's generic name suits it well.
     * @param text the text to be displayed from the JOptionPane.showMessageDialog.
     */
    public static void output(String text)
    {
        JOptionPane.showMessageDialog(null, text);
}

/**
 * A method that sets the color for futureJOptionPane messages
 * (By future, I'm referring to every single JOptionPane message in the future)
 */
public static void outputc()
{
    UIManager um = new UIManager();
    um.put("OptionPane.messageForeground", Color.blue);
    um.put("Panel.background", Color.white);
    JOptionPane.showMessageDialog(null,"Loading...","Set Color",
                    JOptionPane.PLAIN_MESSAGE);
    //isMouseWithinComponent();
}

/**
 * A shortened JOptionPane.showInputDialog, as to help condense the code.
 * @param text the text to be displayed from the JOptionPane.showInputDialog.
 * @return the user's input into the JOptionPane.showInputDialog.
 */
public static String input(String text)
{
    String textInput = JOptionPane.showInputDialog(null, text);
    return textInput;
}

/**
 * A shortened JOptionPane.showConfirmDialog, as to help condense the code.
 * @param text the text to be displayed from the JOptionPane.showInputDialog.
 * @return whether the user clicked yes (0), no (1) or cancel (2) as an int.
 */
public static int confirm(String text)
{
    int textConfirm = JOptionPane.showConfirmDialog(null, text);
    String confirmTrinary = Integer.toString(textConfirm);
    s.sout(confirmTrinary);
    return textConfirm;
    // Yes    = 0
    // No     = 1
    // Cancel = 2
}

/**
 * A method that checks whether or not a variable can be parsed into an int
 * without an error appearing.
 * @param text
 * @return either the parsed int value (if it can be parsed without an error)
 * or a 1 (if it can't be parsed).
 */
```

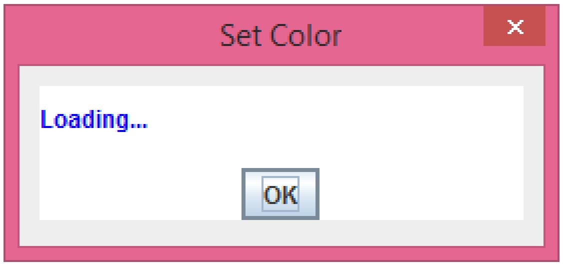
```java
    public static Integer tryParse(String text)
    {
        try
        {
            return Integer.parseInt(text);
        }
        catch (NumberFormatException e)
        {
            output("Please only use numbers." + LINE_BREAK
                    + "Just so the program doesn't crash, "
                    + "I'll replace this with a 1");
            return 1;
        }
    }

    /**
     * So here's the back story. You know how you can shorten sout with some
     * bizarre key command right? Well I ain't got a clue how I can do that.
     * So we're doing this instead. Plus, it makes the code shortened and simple
     * #ScratchIsTheOneTrueCodingLanguage
     * @param text the text to be displayed from the system output
     */
    public static void sout(String text)
    {
        System.out.println(text);
        //System.err.println("yo gabba gabba"); // special red text
        //Colors won't work if the text begins with a "\n"
    }
}
```



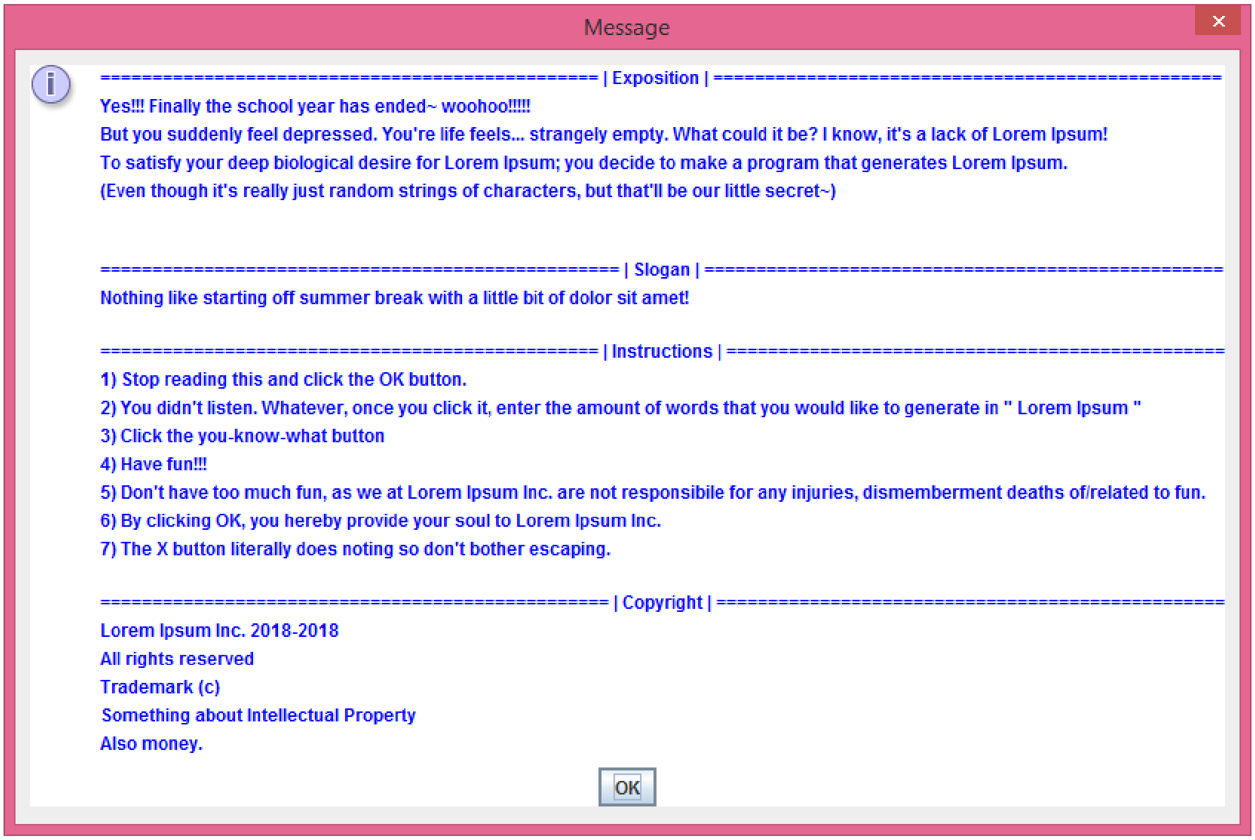
```java
/** package class namespace */
package loremipsummer;

/** required imports */
import java.awt.*;
import java.awt.event.*;
import java.util.Arrays;
import javax.swing.*;

/**
 * A Java class to demonstrate how to put a scrolling text area
 * in a JOptionPane showMessageDialog dialog.
 * Steps are: Create a JTextArea, wrap it in a JScrollPane, and
 * then add the JScrollPane to the showMessageDialog.
 */
public class Scroll implements Runnable
{
  private final JFrame frame = new JFrame("Lorem Ipsum Inc.");

  public static void main()
  {
    Scroll example = new Scroll();
    SwingUtilities.invokeLater(example);
  }

  public static void main2()
  {
    Scroll example = new Scroll();
    SwingUtilities.invokeLater(example);
  }

  @Override
  public void run()
  {
    // start building a jframe
    frame.setDefaultCloseOperation(WindowConstants.EXIT_ON_CLOSE);
    frame.setPreferredSize(new Dimension(1000, 100));

    // add a button to the jframe
    JButton button = new JButton("Loremember sito clicksum");
    button.setFont(new Font("Comic Sans", Font.PLAIN, 40));
    button.setForeground(Color.WHITE);
    button.setPreferredSize(new Dimension(100, 50));
    button.addActionListener(new ShowDialogListener());
    button.setOpaque(false);
    button.setContentAreaFilled(false);
    button.setBorderPainted(false);
    button.setAutoscrolls(true);
    frame.getContentPane().add(button);
    frame.getAlignmentX();
```



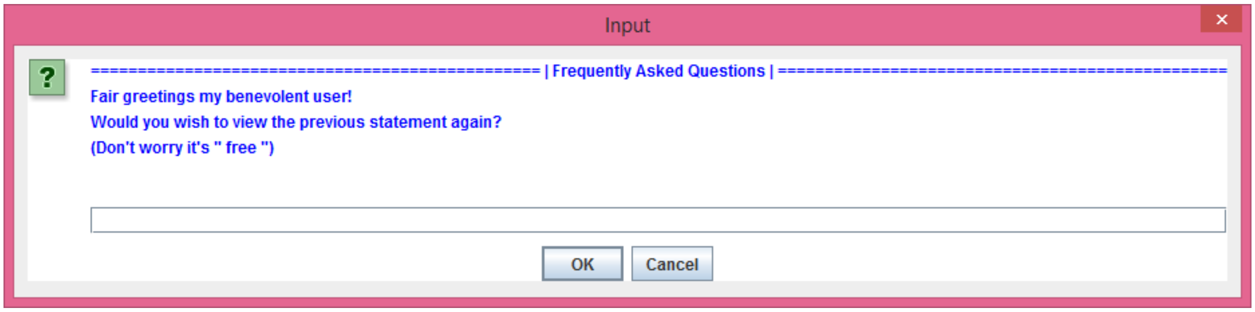
```
    // display the jframe
    frame.pack();
    frame.setLocationRelativeTo(null);
    frame.setVisible(true);
    frame.setResizable(false);
    frame.toFront();
    frame.createImage(100,100);
    frame.add(new JLabel(new ImageIcon("K:/source.gif")));
    // change the directory based on where you put the source.gif file
  }

  /**
   * Our button listener. Show a scrolling text area in a
   * JOptionPane showMessageDialog dialog.
   */
  class ShowDialogListener implements ActionListener
  {
    @Override
    public void actionPerformed(ActionEvent e)
    {
      // create a JTextArea
      JTextArea textArea = new JTextArea(5, 5);
      textArea.setText(Arrays.toString(LoremIpsummer.randomStrings));
      textArea.setEditable(false);

      // wrap a scrollpane around it
      JScrollPane scrollPane = new JScrollPane(textArea);
      scrollPane.setSize(200, 500);

      // display them in a message dialog
      JOptionPane.showMessageDialog(frame, scrollPane);
    }
  }
}
```



Loading...

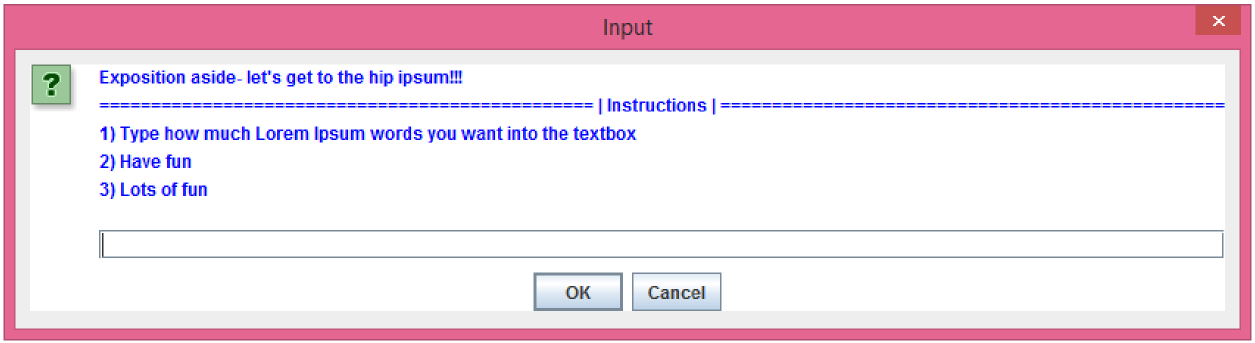


```
================================================== | Exposition | ==================================================
Yes!!! Finally the school year has ended~ woohoo!!!!!
But you suddenly feel depressed. You're life feels... strangely empty. What could it be? I know, it's a lack of Lorem Ipsum!
To satisfy your deep biological desire for Lorem Ipsum; you decide to make a program that generates Lorem Ipsum.
(Even though it's really just random strings of characters, but that'll be our little secret~)


==================================================== | Slogan | ====================================================
Nothing like starting off summer break with a little bit of dolor sit amet!

================================================== | Instructions | ==================================================
1) Stop reading this and click the OK button.
2) You didn't listen. Whatever, once you click it, enter the amount of words that you would like to generate in " Lorem Ipsum "
3) Click the you-know-what button
4) Have fun!!!
5) Don't have too much fun, as we at Lorem Ipsum Inc. are not responsibile for any injuries, dismemberment deaths of/related to fun.
6) By clicking OK, you hereby provide your soul to Lorem Ipsum Inc.
7) The X button literally does noting so don't bother escaping.

=================================================== | Copyright | ===================================================
Lorem Ipsum Inc. 2018-2018
All rights reserved
Trademark (c)
 Something about Intellectual Property
Also money.
```



```
================================================ | Frequently Asked Questions | ================================================
Fair greetings my benevolent user!
Would you wish to view the previous statement again?
(Don't worry it's " free ")
```

(Saying no returns to the previous JOptionPane while saying yes continues the program).



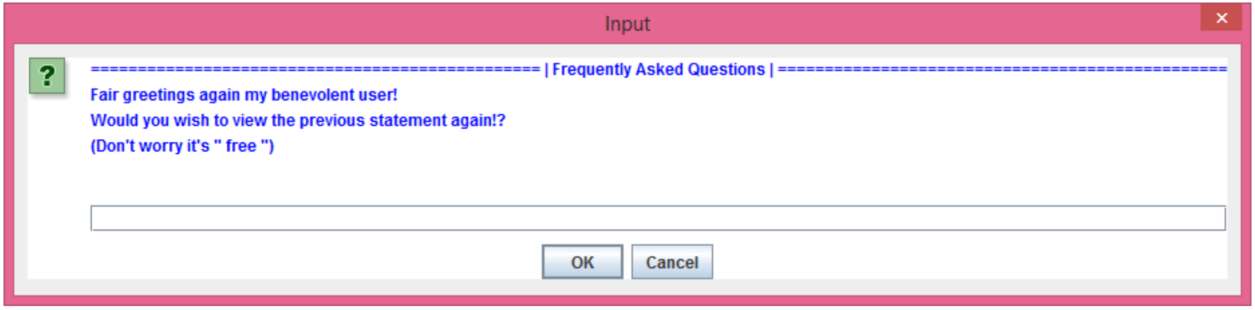
Exposition aside- let's get to the hip ipsum!!!

=== | Instructions | ===

1) Type how much Lorem Ipsum words you want into the textbox

2) Have fun

3) Lots of fun



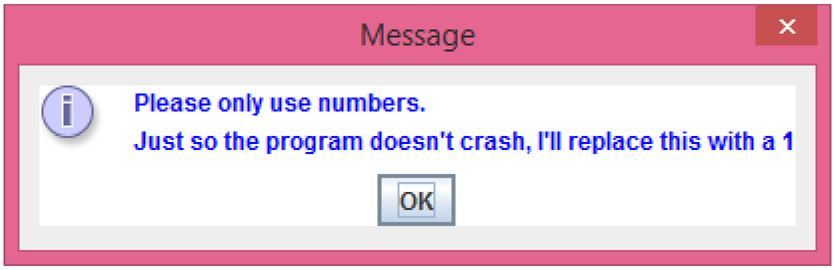
=== | Frequently Asked Questions | ===

Fair greetings again my benevolent user!

Would you wish to view the previous statement again!?

(Don't worry it's " free ")

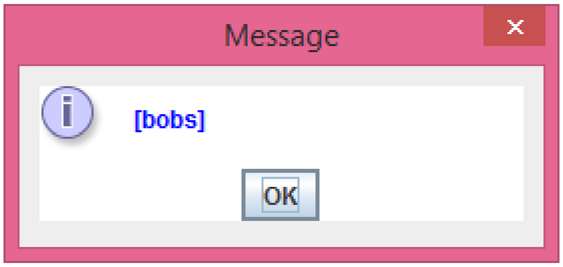
(Saying no returns to the previous JOptionPane while saying yes continues the program).



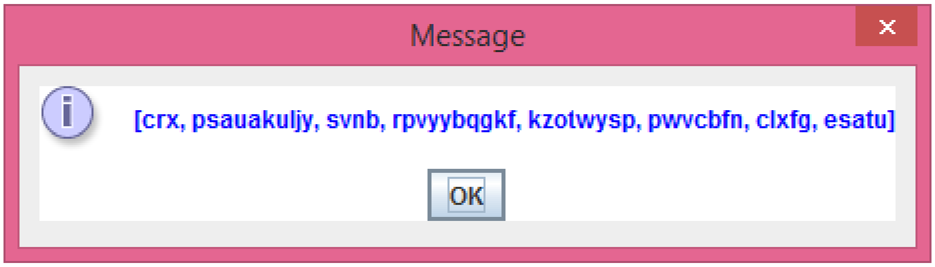
Please only use numbers.

Just so the program doesn't crash, I'll replace this with a 1

Error catch message

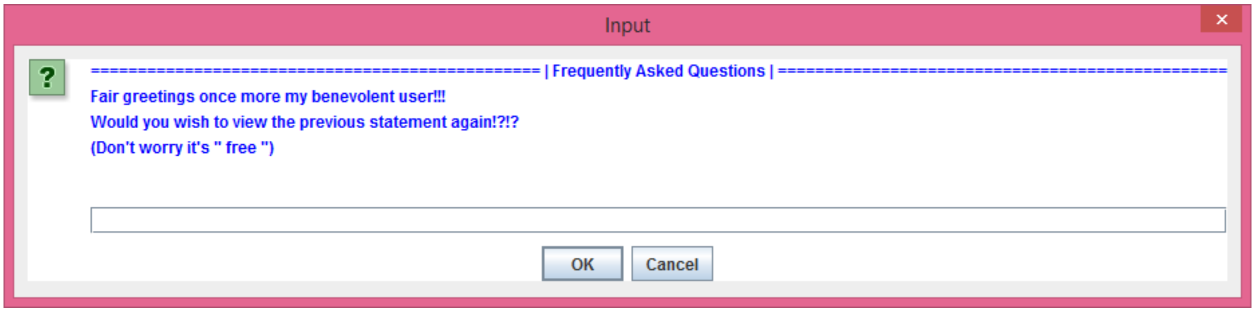


[bobs]



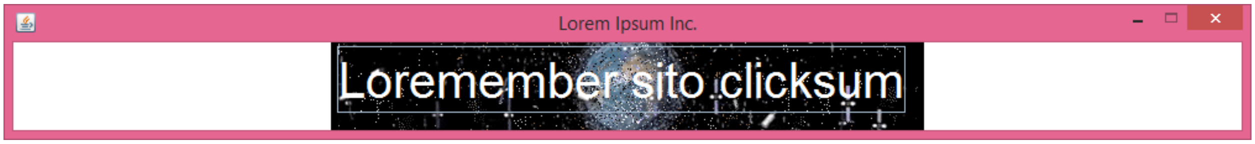
[crx, psauakuljy, svnb, rpvyybqgkf, kzotwysp, pwvcbfn, clxfg, esatu]

Random Lorem Ipsum text is displayed, the amount of words based on the user's input. All these words are wrapped in inclusive brackets [and]

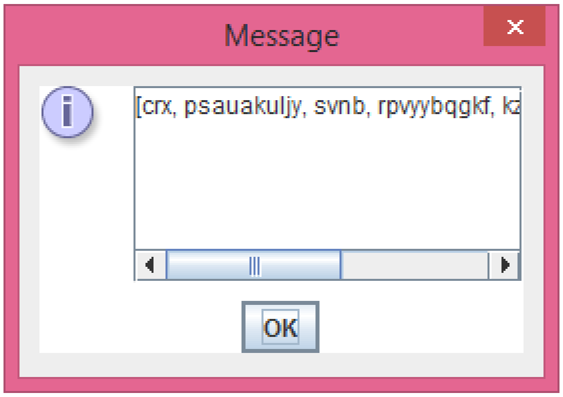


== | Frequently Asked Questions | ==
Fair greetings once more my benevolent user!!!
Would you wish to view the previous statement again!?!?
(Don't worry it's " free ")

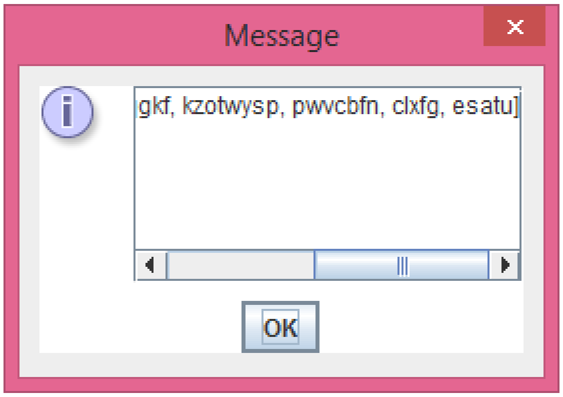
(Saying no returns to the previous JOptionPane while saying yes continues the program).



The JButton uses the source.gif as it's background image.



[crx, psauakuljy, svnb, rpvyybqgkf, kz



gkf, kzotwysp, pwvcbfn, clxfg, esatu]