**Activity 1**

**Requirements:**

**Groupmates:**

Name : Jhon Brix Brion (Lead Developer)   
Task : Coding, Debugging, and Testing the program.

Pair : Shane Marie Mon (Co – Developer )  
Task : Documentation

**Lab Activity Problem:**

1. Install NetBeans or any text editor to code the activity.
2. Create Java Application.
3. And code the following:

Graphical user interface, text, application, email

Description automatically generated

1. Change the set *setDefaultCloseOperation(),* and change using the code below:

Text

Description automatically generated

What have you notice? list the difference between them.

**JFrame.EXIT\_ON\_CLOSE**

DESCRIPTION: Closes all the Processes (JFrames) running in a background.

**JFrame.HIDE\_ON\_CLOSE**

DESCRIPTION: Hides and Closes the processes (JFrames) ,but the program is still running in the background.

**JFrame.DISPROSE\_ON\_CLOSE**

DESCRIPTION: Closes a Single Process (JFrame) , it does not close all processes.

**JFrame.DO\_NOTHING\_ON\_CLOSE**

DESCRIPTION: It does not do anything when the Exit Button is Pressed. (JFrame) ,the process is not close.

1. Using the code above, add setSize() of the JFrame to:

x = 500 and y = 500.

Grade Matrix:

Functionality / Code: 50%

Documentation / Design: 50%

100%

Source Code :   
  
package javaswingact1;

import java.awt.Dimension;

import java.awt.Font;

import java.awt.FontFormatException;

import java.awt.GraphicsEnvironment;

import java.awt.Image;

import java.awt.Toolkit;

import java.io.File;

import java.io.IOException;

import javax.swing.ImageIcon;

import javax.swing.JFrame;

import javax.swing.JLabel;

import javax.swing.JPanel;

import org.netbeans.lib.awtextra.AbsoluteConstraints;

public class JavaSwingAct1 {

static void exitOperation() {

final int MaxFrameSizeX = 600;

final int MaxFrameSizeY = 400;

final int MinFrameSizeX = 600;

final int MinFrameSizeY = 400;

JFrame mainFrame = new JFrame();

// JFrame Size

mainFrame.setSize(MinFrameSizeX, MinFrameSizeY);

mainFrame.setMinimumSize(new java.awt.Dimension(MinFrameSizeX, MinFrameSizeY));

mainFrame.setPreferredSize(new java.awt.Dimension(MaxFrameSizeX, MaxFrameSizeY));

mainFrame.setDefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE);

//JFrame Decoration

mainFrame.setUndecorated(false);

mainFrame.setOpacity(1.0f);

mainFrame.setTitle("COMPROG 3 : Activity 1.1 | JFrame.EXIT\_ON\_CLOSE.");

mainFrame.setLayout(null);

// CENTER POPUP MAIN WINDOW

Dimension dimension = Toolkit.getDefaultToolkit().getScreenSize();

mainFrame.setLocation(dimension.width / 2 - mainFrame.getWidth() / 2, dimension.height / 2 - mainFrame.getHeight() / 2);

// JPanel Background

final int BackgroundHeigth = 361;

final int BackgroundWidth = 584;

final int BackgroundPanelLocationX = 0;

final int BackgroundPanelLocationY = 0;

JPanel Background = new JPanel();

// Background (JPanel) Decorations.

Background.setBounds(BackgroundPanelLocationX, BackgroundPanelLocationY, BackgroundWidth, BackgroundHeigth);

mainFrame.add(Background, new AbsoluteConstraints(BackgroundPanelLocationX, BackgroundPanelLocationY, BackgroundWidth, BackgroundHeigth));

Background.setBackground(new java.awt.Color(0, 0, 32));

Background.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(255, 200, 0), 2, false));

Background.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

// Logo (JLabel) Declarations.

final int logoHeight = 158;

final int logoWidth = 158;

final int logoLocationX = 5;

final int logoLocationY = 5;

JLabel logo = new JLabel();

// Logo (JLabel) Decorations.

logo.setBounds(logoLocationX, logoLocationY, logoWidth, logoHeight);

Background.add(logo, new AbsoluteConstraints(logoLocationX, logoLocationY, logoWidth, logoHeight));

logo.setForeground(new java.awt.Color(0, 0, 0));

logo.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

logo.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

ImageIcon logoGetter = new ImageIcon("src\\res\\Brion-Tactical-Systems.png");

Image getLogo = logoGetter.getImage();

Image scaleLogo = getLogo.getScaledInstance(logo.getWidth(), logo.getHeight(), Image.SCALE\_SMOOTH);

ImageIcon displayLogo = new ImageIcon(scaleLogo);

logo.setIcon(displayLogo);

// Logo Text (JLabel) Declarations.

Font IronShark;

final int companyNameHeight = 20;

final int companyNameWidth = 600;

final int companyNameLocationX = 50;

final int companyNameLocationY = 50;

JLabel companyName = new JLabel();

final int cNameShadowLocationY = 54;

JLabel cNameShadow = new JLabel();

companyName.setBounds(companyNameLocationX, companyNameLocationY, companyNameWidth, companyNameHeight);

Background.add(companyName, new AbsoluteConstraints(companyNameLocationX, companyNameLocationY, companyNameWidth, companyNameHeight));

companyName.setForeground(new java.awt.Color(255, 208, 0));

companyName.setFont(new java.awt.Font("Iron Shark", 0, 20));

cNameShadow.setBounds(companyNameLocationX, cNameShadowLocationY, companyNameWidth, companyNameHeight);

Background.add(cNameShadow, new AbsoluteConstraints(companyNameLocationX, cNameShadowLocationY, companyNameWidth, companyNameHeight));

cNameShadow.setForeground(new java.awt.Color(0, 0, 0));

cNameShadow.setFont(new java.awt.Font("Iron Shark", 0, 20));

try {

IronShark = Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")).deriveFont(20f);

GraphicsEnvironment ge = GraphicsEnvironment.getLocalGraphicsEnvironment();

ge.registerFont(Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")));

} catch (IOException | FontFormatException e) {

}

companyName.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

companyName.setText("Brion Tactical Systems");

companyName.setVisible(true);

cNameShadow.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

cNameShadow.setText("Brion Tactical Systems");

cNameShadow.setVisible(true);

// Activity Title

final int mainTextHeight = 50;

final int mainTextWidth = 400;

final int mainTextX = 140;

final int mainTextY = 60;

JLabel mainText = new JLabel();

mainText.setBounds(mainTextX, mainTextY, mainTextWidth, mainTextHeight);

Background.add(mainText, new AbsoluteConstraints(mainTextX, mainTextY, mainTextWidth, mainTextHeight));

mainText.setForeground(new java.awt.Color(255, 255, 255));

mainText.setFont(new java.awt.Font("Tahoma", 1, 20));

mainText.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

mainText.setText("JAVA SWING ACTIVITY #1 | GROUP 8");

mainText.setVisible(true);

// Students, Sections, Date Declarations.

final int studentNameHeight = 40;

final int studentNameWidth = 300;

final int studentNameTextX = 20;

final int studentNameTextY = 120;

JLabel studentName = new JLabel();

studentName.setBounds(studentNameTextX, studentNameTextY, studentNameWidth, studentNameHeight);

Background.add(studentName, new AbsoluteConstraints(studentNameTextX, studentNameTextY, studentNameWidth, studentNameHeight));

studentName.setForeground(new java.awt.Color(255, 255, 255));

studentName.setFont(new java.awt.Font("Tahoma", 1, 16));

studentName.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

studentName.setText("Name : Jhon Brix Brion | M");

studentName.setVisible(true);

final int studentPairHeight = 40;

final int studentPairWidth = 300;

final int studentPairTextX = 20;

final int studentPairTextY = 140;

JLabel studentPair = new JLabel();

studentPair.setBounds(studentPairTextX, studentPairTextY, studentPairWidth, studentPairHeight);

Background.add(studentPair, new AbsoluteConstraints(studentPairTextX, studentPairTextY, studentPairWidth, studentPairHeight));

studentPair.setForeground(new java.awt.Color(255, 255, 255));

studentPair.setFont(new java.awt.Font("Tahoma", 1, 16));

studentPair.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

studentPair.setText("Pair : Shane Marie Mon | F");

studentPair.setVisible(true);

final int dateCreatedHeight = 40;

final int dateCreatedWidth = 300;

final int dateCreatedTextX = 310;

final int dateCreatedTextY = 120;

JLabel dateCreated = new JLabel();

dateCreated.setBounds(dateCreatedTextX, dateCreatedTextY, dateCreatedWidth, dateCreatedHeight);

Background.add(dateCreated, new AbsoluteConstraints(dateCreatedTextX, dateCreatedTextY, dateCreatedWidth, dateCreatedHeight));

dateCreated.setForeground(new java.awt.Color(255, 255, 255));

dateCreated.setFont(new java.awt.Font("Tahoma", 1, 16));

dateCreated.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

dateCreated.setText("Date Created : February 4 2022");

dateCreated.setVisible(true);

final int subjectHeight = 40;

final int subjectWidth = 300;

final int subjectTextX = 310;

final int subjectTextY = 140;

JLabel subject = new JLabel();

subject.setBounds(subjectTextX, subjectTextY, subjectWidth, subjectHeight);

Background.add(subject, new AbsoluteConstraints(subjectTextX, subjectTextY, subjectWidth, subjectHeight));

subject.setForeground(new java.awt.Color(255, 255, 255));

subject.setFont(new java.awt.Font("Tahoma", 1, 16));

subject.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

subject.setText("Subject : COMPROG 3");

subject.setVisible(true);

// Default Close Operation Label Declarations.

final int defaultCloseOperationHeight = 40;

final int defaultCloseOperationWidth = 500;

final int defaultCloseOperationTextX = 70;

final int defaultCloseOperationTextY = 190;

JLabel defaultCloseOperation = new JLabel();

defaultCloseOperation.setBounds(defaultCloseOperationTextX, defaultCloseOperationTextY, defaultCloseOperationWidth,

defaultCloseOperationHeight);

Background.add(defaultCloseOperation, new AbsoluteConstraints(defaultCloseOperationTextX, defaultCloseOperationTextY,

defaultCloseOperationWidth, defaultCloseOperationHeight));

defaultCloseOperation.setForeground(new java.awt.Color(255, 255, 255));

defaultCloseOperation.setFont(new java.awt.Font("Tahoma", 1, 16));

defaultCloseOperation.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

defaultCloseOperation.setText("Frame.DefaultCloseOperation(JFrame.EXIT\_ON\_CLOSE)");

defaultCloseOperation.setVisible(true);

// Hint Declarations.

final int hintHeight = 40;

final int hintWidth = 500;

final int hintTextX = 70;

final int hintTextY = 210;

JLabel hint = new JLabel();

hint.setBounds(hintTextX, hintTextY, hintWidth, hintHeight);

Background.add(hint, new AbsoluteConstraints(hintTextX, hintTextY, hintWidth, hintHeight));

hint.setForeground(new java.awt.Color(255, 255, 255));

hint.setFont(new java.awt.Font("Tahoma", 1, 12));

hint.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

hint.setText("Hint : Closes all processes (JFrames)");

hint.setVisible(true);

// HELLO WORLD (JLabel) Declarations.

final int helloWorldHeight = 38;

final int helloWorldWidth = 550;

final int helloWorldLocationX = 20;

final int helloWorldLocationY = 260;

JLabel helloWorld = new JLabel();

final int helloWorldShadowLocationY = 265;

JLabel helloWorldShadow = new JLabel();

helloWorld.setBounds(helloWorldLocationX, helloWorldLocationY, helloWorldWidth, helloWorldHeight);

Background.add(helloWorld, new AbsoluteConstraints(helloWorldLocationX, helloWorldLocationY, helloWorldWidth, helloWorldHeight));

helloWorld.setForeground(new java.awt.Color(255, 208, 0));

helloWorld.setFont(new java.awt.Font("Iron Shark", 0, 50));

helloWorldShadow.setBounds(helloWorldLocationX, helloWorldShadowLocationY, helloWorldWidth, helloWorldHeight);

Background.add(helloWorldShadow, new AbsoluteConstraints(helloWorldLocationX, helloWorldShadowLocationY, helloWorldWidth, helloWorldHeight));

helloWorldShadow.setForeground(new java.awt.Color(0, 0, 0));

helloWorldShadow.setFont(new java.awt.Font("Iron Shark", 0, 50));

try {

IronShark = Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")).deriveFont(20f);

GraphicsEnvironment ge = GraphicsEnvironment.getLocalGraphicsEnvironment();

ge.registerFont(Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")));

} catch (IOException | FontFormatException e) {

}

helloWorld.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

helloWorld.setText("Hello World");

helloWorld.setVisible(true);

helloWorldShadow.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

helloWorldShadow.setText("Hello World");

helloWorldShadow.setVisible(true);

// JFrame Visibility

mainFrame.setVisible(true);

}

static void HIDEOperation() {

final int MaxFrameSizeX = 600;

final int MaxFrameSizeY = 400;

final int MinFrameSizeX = 600;

final int MinFrameSizeY = 400;

JFrame mainFrame = new JFrame();

// JFrame Size

mainFrame.setSize(MinFrameSizeX, MinFrameSizeY);

mainFrame.setMinimumSize(new java.awt.Dimension(MinFrameSizeX, MinFrameSizeY));

mainFrame.setPreferredSize(new java.awt.Dimension(MaxFrameSizeX, MaxFrameSizeY));

mainFrame.setDefaultCloseOperation(JFrame.HIDE\_ON\_CLOSE);

//JFrame Decoration

mainFrame.setUndecorated(false);

mainFrame.setOpacity(1.0f);

mainFrame.setTitle("COMPROG 3 : Activity 1.2 | JFrame.HIDE\_ON\_CLOSE.");

mainFrame.setLayout(null);

// CENTER POPUP MAIN WINDOW

Dimension dimension = Toolkit.getDefaultToolkit().getScreenSize();

mainFrame.setLocation(dimension.width / 2 - mainFrame.getWidth() / 2, dimension.height / 2 - mainFrame.getHeight() / 2);

// JPanel Background

final int BackgroundHeigth = 361;

final int BackgroundWidth = 584;

final int BackgroundPanelLocationX = 0;

final int BackgroundPanelLocationY = 0;

JPanel Background = new JPanel();

// Background (JPanel) Decorations.

Background.setBounds(BackgroundPanelLocationX, BackgroundPanelLocationY, BackgroundWidth, BackgroundHeigth);

mainFrame.add(Background, new AbsoluteConstraints(BackgroundPanelLocationX, BackgroundPanelLocationY, BackgroundWidth, BackgroundHeigth));

Background.setBackground(new java.awt.Color(0, 0, 32));

Background.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(255, 200, 0), 2, false));

Background.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

// Logo (JLabel) Declarations.

final int logoHeight = 158;

final int logoWidth = 158;

final int logoLocationX = 5;

final int logoLocationY = 5;

JLabel logo = new JLabel();

// Logo (JLabel) Decorations.

logo.setBounds(logoLocationX, logoLocationY, logoWidth, logoHeight);

Background.add(logo, new AbsoluteConstraints(logoLocationX, logoLocationY, logoWidth, logoHeight));

logo.setForeground(new java.awt.Color(0, 0, 0));

logo.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

logo.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

ImageIcon logoGetter = new ImageIcon("src\\res\\Brion-Tactical-Systems.png");

Image getLogo = logoGetter.getImage();

Image scaleLogo = getLogo.getScaledInstance(logo.getWidth(), logo.getHeight(), Image.SCALE\_SMOOTH);

ImageIcon displayLogo = new ImageIcon(scaleLogo);

logo.setIcon(displayLogo);

// Logo Text (JLabel) Declarations.

Font IronShark;

final int companyNameHeight = 20;

final int companyNameWidth = 600;

final int companyNameLocationX = 50;

final int companyNameLocationY = 50;

JLabel companyName = new JLabel();

final int cNameShadowLocationY = 54;

JLabel cNameShadow = new JLabel();

companyName.setBounds(companyNameLocationX, companyNameLocationY, companyNameWidth, companyNameHeight);

Background.add(companyName, new AbsoluteConstraints(companyNameLocationX, companyNameLocationY, companyNameWidth, companyNameHeight));

companyName.setForeground(new java.awt.Color(255, 208, 0));

companyName.setFont(new java.awt.Font("Iron Shark", 0, 20));

cNameShadow.setBounds(companyNameLocationX, cNameShadowLocationY, companyNameWidth, companyNameHeight);

Background.add(cNameShadow, new AbsoluteConstraints(companyNameLocationX, cNameShadowLocationY, companyNameWidth, companyNameHeight));

cNameShadow.setForeground(new java.awt.Color(0, 0, 0));

cNameShadow.setFont(new java.awt.Font("Iron Shark", 0, 20));

try {

IronShark = Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")).deriveFont(20f);

GraphicsEnvironment ge = GraphicsEnvironment.getLocalGraphicsEnvironment();

ge.registerFont(Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")));

} catch (IOException | FontFormatException e) {

}

companyName.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

companyName.setText("Brion Tactical Systems");

companyName.setVisible(true);

cNameShadow.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

cNameShadow.setText("Brion Tactical Systems");

cNameShadow.setVisible(true);

// Activity Title

final int mainTextHeight = 50;

final int mainTextWidth = 400;

final int mainTextX = 140;

final int mainTextY = 60;

JLabel mainText = new JLabel();

mainText.setBounds(mainTextX, mainTextY, mainTextWidth, mainTextHeight);

Background.add(mainText, new AbsoluteConstraints(mainTextX, mainTextY, mainTextWidth, mainTextHeight));

mainText.setForeground(new java.awt.Color(255, 255, 255));

mainText.setFont(new java.awt.Font("Tahoma", 1, 20));

mainText.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

mainText.setText("JAVA SWING ACTIVITY #1 | GROUP 8");

mainText.setVisible(true);

// Students, Sections, Date Declarations.

final int studentNameHeight = 40;

final int studentNameWidth = 300;

final int studentNameTextX = 20;

final int studentNameTextY = 120;

JLabel studentName = new JLabel();

studentName.setBounds(studentNameTextX, studentNameTextY, studentNameWidth, studentNameHeight);

Background.add(studentName, new AbsoluteConstraints(studentNameTextX, studentNameTextY, studentNameWidth, studentNameHeight));

studentName.setForeground(new java.awt.Color(255, 255, 255));

studentName.setFont(new java.awt.Font("Tahoma", 1, 16));

studentName.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

studentName.setText("Name : Jhon Brix Brion | M");

studentName.setVisible(true);

final int studentPairHeight = 40;

final int studentPairWidth = 300;

final int studentPairTextX = 20;

final int studentPairTextY = 140;

JLabel studentPair = new JLabel();

studentPair.setBounds(studentPairTextX, studentPairTextY, studentPairWidth, studentPairHeight);

Background.add(studentPair, new AbsoluteConstraints(studentPairTextX, studentPairTextY, studentPairWidth, studentPairHeight));

studentPair.setForeground(new java.awt.Color(255, 255, 255));

studentPair.setFont(new java.awt.Font("Tahoma", 1, 16));

studentPair.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

studentPair.setText("Pair : Shane Marie Mon | F");

studentPair.setVisible(true);

final int dateCreatedHeight = 40;

final int dateCreatedWidth = 300;

final int dateCreatedTextX = 310;

final int dateCreatedTextY = 120;

JLabel dateCreated = new JLabel();

dateCreated.setBounds(dateCreatedTextX, dateCreatedTextY, dateCreatedWidth, dateCreatedHeight);

Background.add(dateCreated, new AbsoluteConstraints(dateCreatedTextX, dateCreatedTextY, dateCreatedWidth, dateCreatedHeight));

dateCreated.setForeground(new java.awt.Color(255, 255, 255));

dateCreated.setFont(new java.awt.Font("Tahoma", 1, 16));

dateCreated.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

dateCreated.setText("Date Created : February 4 2022");

dateCreated.setVisible(true);

final int subjectHeight = 40;

final int subjectWidth = 300;

final int subjectTextX = 310;

final int subjectTextY = 140;

JLabel subject = new JLabel();

subject.setBounds(subjectTextX, subjectTextY, subjectWidth, subjectHeight);

Background.add(subject, new AbsoluteConstraints(subjectTextX, subjectTextY, subjectWidth, subjectHeight));

subject.setForeground(new java.awt.Color(255, 255, 255));

subject.setFont(new java.awt.Font("Tahoma", 1, 16));

subject.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

subject.setText("Subject : COMPROG 3");

subject.setVisible(true);

// Default Close Operation Label Declarations.

final int defaultCloseOperationHeight = 40;

final int defaultCloseOperationWidth = 500;

final int defaultCloseOperationTextX = 70;

final int defaultCloseOperationTextY = 190;

JLabel defaultCloseOperation = new JLabel();

defaultCloseOperation.setBounds(defaultCloseOperationTextX, defaultCloseOperationTextY, defaultCloseOperationWidth,

defaultCloseOperationHeight);

Background.add(defaultCloseOperation, new AbsoluteConstraints(defaultCloseOperationTextX, defaultCloseOperationTextY,

defaultCloseOperationWidth, defaultCloseOperationHeight));

defaultCloseOperation.setForeground(new java.awt.Color(255, 255, 255));

defaultCloseOperation.setFont(new java.awt.Font("Tahoma", 1, 16));

defaultCloseOperation.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

defaultCloseOperation.setText("Frame.DefaultCloseOperation(JFrame.HIDE\_ON\_CLOSE)");

defaultCloseOperation.setVisible(true);

// Hint Declarations.

final int hintHeight = 40;

final int hintWidth = 500;

final int hintTextX = 70;

final int hintTextY = 210;

JLabel hint = new JLabel();

hint.setBounds(hintTextX, hintTextY, hintWidth, hintHeight);

Background.add(hint, new AbsoluteConstraints(hintTextX, hintTextY, hintWidth, hintHeight));

hint.setForeground(new java.awt.Color(255, 255, 255));

hint.setFont(new java.awt.Font("Tahoma", 1, 12));

hint.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

hint.setText("Hint : Hides the Processes and is still in the Background");

hint.setVisible(true);

// HELLO WORLD (JLabel) Declarations.

final int helloWorldHeight = 38;

final int helloWorldWidth = 550;

final int helloWorldLocationX = 20;

final int helloWorldLocationY = 260;

JLabel helloWorld = new JLabel();

final int helloWorldShadowLocationY = 265;

JLabel helloWorldShadow = new JLabel();

helloWorld.setBounds(helloWorldLocationX, helloWorldLocationY, helloWorldWidth, helloWorldHeight);

Background.add(helloWorld, new AbsoluteConstraints(helloWorldLocationX, helloWorldLocationY, helloWorldWidth, helloWorldHeight));

helloWorld.setForeground(new java.awt.Color(255, 208, 0));

helloWorld.setFont(new java.awt.Font("Iron Shark", 0, 50));

helloWorldShadow.setBounds(helloWorldLocationX, helloWorldShadowLocationY, helloWorldWidth, helloWorldHeight);

Background.add(helloWorldShadow, new AbsoluteConstraints(helloWorldLocationX, helloWorldShadowLocationY, helloWorldWidth, helloWorldHeight));

helloWorldShadow.setForeground(new java.awt.Color(0, 0, 0));

helloWorldShadow.setFont(new java.awt.Font("Iron Shark", 0, 50));

try {

IronShark = Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")).deriveFont(20f);

GraphicsEnvironment ge = GraphicsEnvironment.getLocalGraphicsEnvironment();

ge.registerFont(Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")));

} catch (IOException | FontFormatException e) {

}

helloWorld.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

helloWorld.setText("Hello World");

helloWorld.setVisible(true);

helloWorldShadow.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

helloWorldShadow.setText("Hello World");

helloWorldShadow.setVisible(true);

// JFrame Visibility

mainFrame.setVisible(true);

}

static void DISPOSEOperation() {

final int MaxFrameSizeX = 600;

final int MaxFrameSizeY = 400;

final int MinFrameSizeX = 600;

final int MinFrameSizeY = 400;

JFrame mainFrame = new JFrame();

// JFrame Size

mainFrame.setSize(MinFrameSizeX, MinFrameSizeY);

mainFrame.setMinimumSize(new java.awt.Dimension(MinFrameSizeX, MinFrameSizeY));

mainFrame.setPreferredSize(new java.awt.Dimension(MaxFrameSizeX, MaxFrameSizeY));

mainFrame.setDefaultCloseOperation(JFrame.DISPOSE\_ON\_CLOSE);

//JFrame Decoration

mainFrame.setUndecorated(false);

mainFrame.setOpacity(1.0f);

mainFrame.setTitle("COMPROG 3 : Activity 1.3 | JFrame.DISPOSE\_ON\_CLOSE.");

mainFrame.setLayout(null);

// CENTER POPUP MAIN WINDOW

Dimension dimension = Toolkit.getDefaultToolkit().getScreenSize();

mainFrame.setLocation(dimension.width / 2 - mainFrame.getWidth() / 2, dimension.height / 2 - mainFrame.getHeight() / 2);

// JPanel Background

final int BackgroundHeigth = 361;

final int BackgroundWidth = 584;

final int BackgroundPanelLocationX = 0;

final int BackgroundPanelLocationY = 0;

JPanel Background = new JPanel();

// Background (JPanel) Decorations.

Background.setBounds(BackgroundPanelLocationX, BackgroundPanelLocationY, BackgroundWidth, BackgroundHeigth);

mainFrame.add(Background, new AbsoluteConstraints(BackgroundPanelLocationX, BackgroundPanelLocationY, BackgroundWidth, BackgroundHeigth));

Background.setBackground(new java.awt.Color(0, 0, 32));

Background.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(255, 200, 0), 2, false));

Background.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

// Logo (JLabel) Declarations.

final int logoHeight = 158;

final int logoWidth = 158;

final int logoLocationX = 5;

final int logoLocationY = 5;

JLabel logo = new JLabel();

// Logo (JLabel) Decorations.

logo.setBounds(logoLocationX, logoLocationY, logoWidth, logoHeight);

Background.add(logo, new AbsoluteConstraints(logoLocationX, logoLocationY, logoWidth, logoHeight));

logo.setForeground(new java.awt.Color(0, 0, 0));

logo.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

logo.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

ImageIcon logoGetter = new ImageIcon("src\\res\\Brion-Tactical-Systems.png");

Image getLogo = logoGetter.getImage();

Image scaleLogo = getLogo.getScaledInstance(logo.getWidth(), logo.getHeight(), Image.SCALE\_SMOOTH);

ImageIcon displayLogo = new ImageIcon(scaleLogo);

logo.setIcon(displayLogo);

// Logo Text (JLabel) Declarations.

Font IronShark;

final int companyNameHeight = 20;

final int companyNameWidth = 600;

final int companyNameLocationX = 50;

final int companyNameLocationY = 50;

JLabel companyName = new JLabel();

final int cNameShadowLocationY = 54;

JLabel cNameShadow = new JLabel();

companyName.setBounds(companyNameLocationX, companyNameLocationY, companyNameWidth, companyNameHeight);

Background.add(companyName, new AbsoluteConstraints(companyNameLocationX, companyNameLocationY, companyNameWidth, companyNameHeight));

companyName.setForeground(new java.awt.Color(255, 208, 0));

companyName.setFont(new java.awt.Font("Iron Shark", 0, 20));

cNameShadow.setBounds(companyNameLocationX, cNameShadowLocationY, companyNameWidth, companyNameHeight);

Background.add(cNameShadow, new AbsoluteConstraints(companyNameLocationX, cNameShadowLocationY, companyNameWidth, companyNameHeight));

cNameShadow.setForeground(new java.awt.Color(0, 0, 0));

cNameShadow.setFont(new java.awt.Font("Iron Shark", 0, 20));

try {

IronShark = Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")).deriveFont(20f);

GraphicsEnvironment ge = GraphicsEnvironment.getLocalGraphicsEnvironment();

ge.registerFont(Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")));

} catch (IOException | FontFormatException e) {

}

companyName.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

companyName.setText("Brion Tactical Systems");

companyName.setVisible(true);

cNameShadow.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

cNameShadow.setText("Brion Tactical Systems");

cNameShadow.setVisible(true);

// Activity Title

final int mainTextHeight = 50;

final int mainTextWidth = 400;

final int mainTextX = 140;

final int mainTextY = 60;

JLabel mainText = new JLabel();

mainText.setBounds(mainTextX, mainTextY, mainTextWidth, mainTextHeight);

Background.add(mainText, new AbsoluteConstraints(mainTextX, mainTextY, mainTextWidth, mainTextHeight));

mainText.setForeground(new java.awt.Color(255, 255, 255));

mainText.setFont(new java.awt.Font("Tahoma", 1, 20));

mainText.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

mainText.setText("JAVA SWING ACTIVITY #1 | GROUP 8");

mainText.setVisible(true);

// Students, Sections, Date Declarations.

final int studentNameHeight = 40;

final int studentNameWidth = 300;

final int studentNameTextX = 20;

final int studentNameTextY = 120;

JLabel studentName = new JLabel();

studentName.setBounds(studentNameTextX, studentNameTextY, studentNameWidth, studentNameHeight);

Background.add(studentName, new AbsoluteConstraints(studentNameTextX, studentNameTextY, studentNameWidth, studentNameHeight));

studentName.setForeground(new java.awt.Color(255, 255, 255));

studentName.setFont(new java.awt.Font("Tahoma", 1, 16));

studentName.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

studentName.setText("Name : Jhon Brix Brion | M");

studentName.setVisible(true);

final int studentPairHeight = 40;

final int studentPairWidth = 300;

final int studentPairTextX = 20;

final int studentPairTextY = 140;

JLabel studentPair = new JLabel();

studentPair.setBounds(studentPairTextX, studentPairTextY, studentPairWidth, studentPairHeight);

Background.add(studentPair, new AbsoluteConstraints(studentPairTextX, studentPairTextY, studentPairWidth, studentPairHeight));

studentPair.setForeground(new java.awt.Color(255, 255, 255));

studentPair.setFont(new java.awt.Font("Tahoma", 1, 16));

studentPair.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

studentPair.setText("Pair : Shane Marie Mon | F");

studentPair.setVisible(true);

final int dateCreatedHeight = 40;

final int dateCreatedWidth = 300;

final int dateCreatedTextX = 310;

final int dateCreatedTextY = 120;

JLabel dateCreated = new JLabel();

dateCreated.setBounds(dateCreatedTextX, dateCreatedTextY, dateCreatedWidth, dateCreatedHeight);

Background.add(dateCreated, new AbsoluteConstraints(dateCreatedTextX, dateCreatedTextY, dateCreatedWidth, dateCreatedHeight));

dateCreated.setForeground(new java.awt.Color(255, 255, 255));

dateCreated.setFont(new java.awt.Font("Tahoma", 1, 16));

dateCreated.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

dateCreated.setText("Date Created : February 4 2022");

dateCreated.setVisible(true);

final int subjectHeight = 40;

final int subjectWidth = 300;

final int subjectTextX = 310;

final int subjectTextY = 140;

JLabel subject = new JLabel();

subject.setBounds(subjectTextX, subjectTextY, subjectWidth, subjectHeight);

Background.add(subject, new AbsoluteConstraints(subjectTextX, subjectTextY, subjectWidth, subjectHeight));

subject.setForeground(new java.awt.Color(255, 255, 255));

subject.setFont(new java.awt.Font("Tahoma", 1, 16));

subject.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

subject.setText("Subject : COMPROG 3");

subject.setVisible(true);

// Default Close Operation Label Declarations.

final int defaultCloseOperationHeight = 40;

final int defaultCloseOperationWidth = 500;

final int defaultCloseOperationTextX = 70;

final int defaultCloseOperationTextY = 190;

JLabel defaultCloseOperation = new JLabel();

defaultCloseOperation.setBounds(defaultCloseOperationTextX, defaultCloseOperationTextY, defaultCloseOperationWidth,

defaultCloseOperationHeight);

Background.add(defaultCloseOperation, new AbsoluteConstraints(defaultCloseOperationTextX, defaultCloseOperationTextY,

defaultCloseOperationWidth, defaultCloseOperationHeight));

defaultCloseOperation.setForeground(new java.awt.Color(255, 255, 255));

defaultCloseOperation.setFont(new java.awt.Font("Tahoma", 1, 16));

defaultCloseOperation.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

defaultCloseOperation.setText("Frame.DefaultCloseOperation(JFrame.DISPOSE\_ON\_CLOSE)");

defaultCloseOperation.setVisible(true);

// Hint Declarations.

final int hintHeight = 40;

final int hintWidth = 500;

final int hintTextX = 70;

final int hintTextY = 210;

JLabel hint = new JLabel();

hint.setBounds(hintTextX, hintTextY, hintWidth, hintHeight);

Background.add(hint, new AbsoluteConstraints(hintTextX, hintTextY, hintWidth, hintHeight));

hint.setForeground(new java.awt.Color(255, 255, 255));

hint.setFont(new java.awt.Font("Tahoma", 1, 12));

hint.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

hint.setText("Hint : Closes a single process (JFrame), leaving other processes running.");

hint.setVisible(true);

// HELLO WORLD (JLabel) Declarations.

final int helloWorldHeight = 38;

final int helloWorldWidth = 550;

final int helloWorldLocationX = 20;

final int helloWorldLocationY = 260;

JLabel helloWorld = new JLabel();

final int helloWorldShadowLocationY = 265;

JLabel helloWorldShadow = new JLabel();

helloWorld.setBounds(helloWorldLocationX, helloWorldLocationY, helloWorldWidth, helloWorldHeight);

Background.add(helloWorld, new AbsoluteConstraints(helloWorldLocationX, helloWorldLocationY, helloWorldWidth, helloWorldHeight));

helloWorld.setForeground(new java.awt.Color(255, 208, 0));

helloWorld.setFont(new java.awt.Font("Iron Shark", 0, 50));

helloWorldShadow.setBounds(helloWorldLocationX, helloWorldShadowLocationY, helloWorldWidth, helloWorldHeight);

Background.add(helloWorldShadow, new AbsoluteConstraints(helloWorldLocationX, helloWorldShadowLocationY, helloWorldWidth, helloWorldHeight));

helloWorldShadow.setForeground(new java.awt.Color(0, 0, 0));

helloWorldShadow.setFont(new java.awt.Font("Iron Shark", 0, 50));

try {

IronShark = Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")).deriveFont(20f);

GraphicsEnvironment ge = GraphicsEnvironment.getLocalGraphicsEnvironment();

ge.registerFont(Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")));

} catch (IOException | FontFormatException e) {

}

helloWorld.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

helloWorld.setText("Hello World");

helloWorld.setVisible(true);

helloWorldShadow.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

helloWorldShadow.setText("Hello World");

helloWorldShadow.setVisible(true);

// JFrame Visibility

mainFrame.setVisible(true);

}

static void DoNothingOperation() {

final int MaxFrameSizeX = 600;

final int MaxFrameSizeY = 400;

final int MinFrameSizeX = 600;

final int MinFrameSizeY = 400;

JFrame mainFrame = new JFrame();

// JFrame Size

mainFrame.setSize(MinFrameSizeX, MinFrameSizeY);

mainFrame.setMinimumSize(new java.awt.Dimension(MinFrameSizeX, MinFrameSizeY));

mainFrame.setPreferredSize(new java.awt.Dimension(MaxFrameSizeX, MaxFrameSizeY));

mainFrame.setDefaultCloseOperation(JFrame.DO\_NOTHING\_ON\_CLOSE);

//JFrame Decoration

mainFrame.setUndecorated(false);

mainFrame.setOpacity(1.0f);

mainFrame.setTitle("COMPROG 3 : Activity 1.4 | JFrame.DO\_NOTHING\_ON\_CLOSE.");

mainFrame.setLayout(null);

// CENTER POPUP MAIN WINDOW

Dimension dimension = Toolkit.getDefaultToolkit().getScreenSize();

mainFrame.setLocation(dimension.width / 2 - mainFrame.getWidth() / 2, dimension.height / 2 - mainFrame.getHeight() / 2);

// JPanel Background

final int BackgroundHeigth = 361;

final int BackgroundWidth = 584;

final int BackgroundPanelLocationX = 0;

final int BackgroundPanelLocationY = 0;

JPanel Background = new JPanel();

// Background (JPanel) Decorations.

Background.setBounds(BackgroundPanelLocationX, BackgroundPanelLocationY, BackgroundWidth, BackgroundHeigth);

mainFrame.add(Background, new AbsoluteConstraints(BackgroundPanelLocationX, BackgroundPanelLocationY, BackgroundWidth, BackgroundHeigth));

Background.setBackground(new java.awt.Color(0, 0, 32));

Background.setBorder(new javax.swing.border.LineBorder(new java.awt.Color(255, 200, 0), 2, false));

Background.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

// Logo (JLabel) Declarations.

final int logoHeight = 158;

final int logoWidth = 158;

final int logoLocationX = 5;

final int logoLocationY = 5;

JLabel logo = new JLabel();

// Logo (JLabel) Decorations.

logo.setBounds(logoLocationX, logoLocationY, logoWidth, logoHeight);

Background.add(logo, new AbsoluteConstraints(logoLocationX, logoLocationY, logoWidth, logoHeight));

logo.setForeground(new java.awt.Color(0, 0, 0));

logo.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

logo.setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

ImageIcon logoGetter = new ImageIcon("src\\res\\Brion-Tactical-Systems.png");

Image getLogo = logoGetter.getImage();

Image scaleLogo = getLogo.getScaledInstance(logo.getWidth(), logo.getHeight(), Image.SCALE\_SMOOTH);

ImageIcon displayLogo = new ImageIcon(scaleLogo);

logo.setIcon(displayLogo);

// Logo Text (JLabel) Declarations.

Font IronShark;

final int companyNameHeight = 20;

final int companyNameWidth = 600;

final int companyNameLocationX = 50;

final int companyNameLocationY = 50;

JLabel companyName = new JLabel();

final int cNameShadowLocationY = 54;

JLabel cNameShadow = new JLabel();

companyName.setBounds(companyNameLocationX, companyNameLocationY, companyNameWidth, companyNameHeight);

Background.add(companyName, new AbsoluteConstraints(companyNameLocationX, companyNameLocationY, companyNameWidth, companyNameHeight));

companyName.setForeground(new java.awt.Color(255, 208, 0));

companyName.setFont(new java.awt.Font("Iron Shark", 0, 20));

cNameShadow.setBounds(companyNameLocationX, cNameShadowLocationY, companyNameWidth, companyNameHeight);

Background.add(cNameShadow, new AbsoluteConstraints(companyNameLocationX, cNameShadowLocationY, companyNameWidth, companyNameHeight));

cNameShadow.setForeground(new java.awt.Color(0, 0, 0));

cNameShadow.setFont(new java.awt.Font("Iron Shark", 0, 20));

try {

IronShark = Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")).deriveFont(20f);

GraphicsEnvironment ge = GraphicsEnvironment.getLocalGraphicsEnvironment();

ge.registerFont(Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")));

} catch (IOException | FontFormatException e) {

}

companyName.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

companyName.setText("Brion Tactical Systems");

companyName.setVisible(true);

cNameShadow.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

cNameShadow.setText("Brion Tactical Systems");

cNameShadow.setVisible(true);

// Activity Title

final int mainTextHeight = 50;

final int mainTextWidth = 400;

final int mainTextX = 140;

final int mainTextY = 60;

JLabel mainText = new JLabel();

mainText.setBounds(mainTextX, mainTextY, mainTextWidth, mainTextHeight);

Background.add(mainText, new AbsoluteConstraints(mainTextX, mainTextY, mainTextWidth, mainTextHeight));

mainText.setForeground(new java.awt.Color(255, 255, 255));

mainText.setFont(new java.awt.Font("Tahoma", 1, 20));

mainText.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

mainText.setText("JAVA SWING ACTIVITY #1 | GROUP 8");

mainText.setVisible(true);

// Students, Sections, Date Declarations.

final int studentNameHeight = 40;

final int studentNameWidth = 300;

final int studentNameTextX = 20;

final int studentNameTextY = 120;

JLabel studentName = new JLabel();

studentName.setBounds(studentNameTextX, studentNameTextY, studentNameWidth, studentNameHeight);

Background.add(studentName, new AbsoluteConstraints(studentNameTextX, studentNameTextY, studentNameWidth, studentNameHeight));

studentName.setForeground(new java.awt.Color(255, 255, 255));

studentName.setFont(new java.awt.Font("Tahoma", 1, 16));

studentName.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

studentName.setText("Name : Jhon Brix Brion | M");

studentName.setVisible(true);

final int studentPairHeight = 40;

final int studentPairWidth = 300;

final int studentPairTextX = 20;

final int studentPairTextY = 140;

JLabel studentPair = new JLabel();

studentPair.setBounds(studentPairTextX, studentPairTextY, studentPairWidth, studentPairHeight);

Background.add(studentPair, new AbsoluteConstraints(studentPairTextX, studentPairTextY, studentPairWidth, studentPairHeight));

studentPair.setForeground(new java.awt.Color(255, 255, 255));

studentPair.setFont(new java.awt.Font("Tahoma", 1, 16));

studentPair.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

studentPair.setText("Pair : Shane Marie Mon | F");

studentPair.setVisible(true);

final int dateCreatedHeight = 40;

final int dateCreatedWidth = 300;

final int dateCreatedTextX = 310;

final int dateCreatedTextY = 120;

JLabel dateCreated = new JLabel();

dateCreated.setBounds(dateCreatedTextX, dateCreatedTextY, dateCreatedWidth, dateCreatedHeight);

Background.add(dateCreated, new AbsoluteConstraints(dateCreatedTextX, dateCreatedTextY, dateCreatedWidth, dateCreatedHeight));

dateCreated.setForeground(new java.awt.Color(255, 255, 255));

dateCreated.setFont(new java.awt.Font("Tahoma", 1, 16));

dateCreated.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

dateCreated.setText("Date Created : February 4 2022");

dateCreated.setVisible(true);

final int subjectHeight = 40;

final int subjectWidth = 300;

final int subjectTextX = 310;

final int subjectTextY = 140;

JLabel subject = new JLabel();

subject.setBounds(subjectTextX, subjectTextY, subjectWidth, subjectHeight);

Background.add(subject, new AbsoluteConstraints(subjectTextX, subjectTextY, subjectWidth, subjectHeight));

subject.setForeground(new java.awt.Color(255, 255, 255));

subject.setFont(new java.awt.Font("Tahoma", 1, 16));

subject.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

subject.setText("Subject : COMPROG 3");

subject.setVisible(true);

// Default Close Operation Label Declarations.

final int defaultCloseOperationHeight = 40;

final int defaultCloseOperationWidth = 500;

final int defaultCloseOperationTextX = 70;

final int defaultCloseOperationTextY = 190;

JLabel defaultCloseOperation = new JLabel();

defaultCloseOperation.setBounds(defaultCloseOperationTextX, defaultCloseOperationTextY, defaultCloseOperationWidth,

defaultCloseOperationHeight);

Background.add(defaultCloseOperation, new AbsoluteConstraints(defaultCloseOperationTextX, defaultCloseOperationTextY,

defaultCloseOperationWidth, defaultCloseOperationHeight));

defaultCloseOperation.setForeground(new java.awt.Color(255, 255, 255));

defaultCloseOperation.setFont(new java.awt.Font("Tahoma", 1, 14));

defaultCloseOperation.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

defaultCloseOperation.setText("Frame.DefaultCloseOperation(JFrame.DO\_NOTHING\_ON\_CLOSE)");

defaultCloseOperation.setVisible(true);

// Hint Declarations.

final int hintHeight = 40;

final int hintWidth = 500;

final int hintTextX = 70;

final int hintTextY = 210;

JLabel hint = new JLabel();

hint.setBounds(hintTextX, hintTextY, hintWidth, hintHeight);

Background.add(hint, new AbsoluteConstraints(hintTextX, hintTextY, hintWidth, hintHeight));

hint.setForeground(new java.awt.Color(255, 255, 255));

hint.setFont(new java.awt.Font("Tahoma", 1, 12));

hint.setHorizontalAlignment(javax.swing.SwingConstants.LEADING);

hint.setText("Hint : Does not do anything when the exit button is pressed.");

hint.setVisible(true);

// HELLO WORLD (JLabel) Declarations.

final int helloWorldHeight = 38;

final int helloWorldWidth = 550;

final int helloWorldLocationX = 20;

final int helloWorldLocationY = 260;

JLabel helloWorld = new JLabel();

final int helloWorldShadowLocationY = 265;

JLabel helloWorldShadow = new JLabel();

helloWorld.setBounds(helloWorldLocationX, helloWorldLocationY, helloWorldWidth, helloWorldHeight);

Background.add(helloWorld, new AbsoluteConstraints(helloWorldLocationX, helloWorldLocationY, helloWorldWidth, helloWorldHeight));

helloWorld.setForeground(new java.awt.Color(255, 208, 0));

helloWorld.setFont(new java.awt.Font("Iron Shark", 0, 50));

helloWorldShadow.setBounds(helloWorldLocationX, helloWorldShadowLocationY, helloWorldWidth, helloWorldHeight);

Background.add(helloWorldShadow, new AbsoluteConstraints(helloWorldLocationX, helloWorldShadowLocationY, helloWorldWidth, helloWorldHeight));

helloWorldShadow.setForeground(new java.awt.Color(0, 0, 0));

helloWorldShadow.setFont(new java.awt.Font("Iron Shark", 0, 50));

try {

IronShark = Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")).deriveFont(20f);

GraphicsEnvironment ge = GraphicsEnvironment.getLocalGraphicsEnvironment();

ge.registerFont(Font.createFont(Font.TRUETYPE\_FONT, new File("src\\res\\Iron-Shark.ttf")));

} catch (IOException | FontFormatException e) {

}

helloWorld.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

helloWorld.setText("Hello World");

helloWorld.setVisible(true);

helloWorldShadow.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

helloWorldShadow.setText("Hello World");

helloWorldShadow.setVisible(true);

// JFrame Visibility

mainFrame.setVisible(true);

}

public static void main(String[] args) {

exitOperation(); // CLOSES ALL PROCESSES (JFrames) RUNNING IN THE BACKGROUND (MEMORY).

HIDEOperation(); // CLOSES ALL PROCESSES, BUT THE PROGRAM IS STILL RUNNING IN THE BACKGROUND (MEMORY).

DISPOSEOperation(); // CLOSES A SINGLE PROCES (JFrame), BUT NOT ALL PROCESSES (JFrames).

DoNothingOperation(); // DOES NOT DO ANYTHING WHEN EXIT BUTTON IS PRESSED.

}

}