"UNIVERSIDAD PERUANA LOS ANDES"

FACULTAD DE INGENIERÍA

ESCUELA PROFESIONAL DE INGENIERÍA DE SISTEMAS Y COMPUTACIÓN

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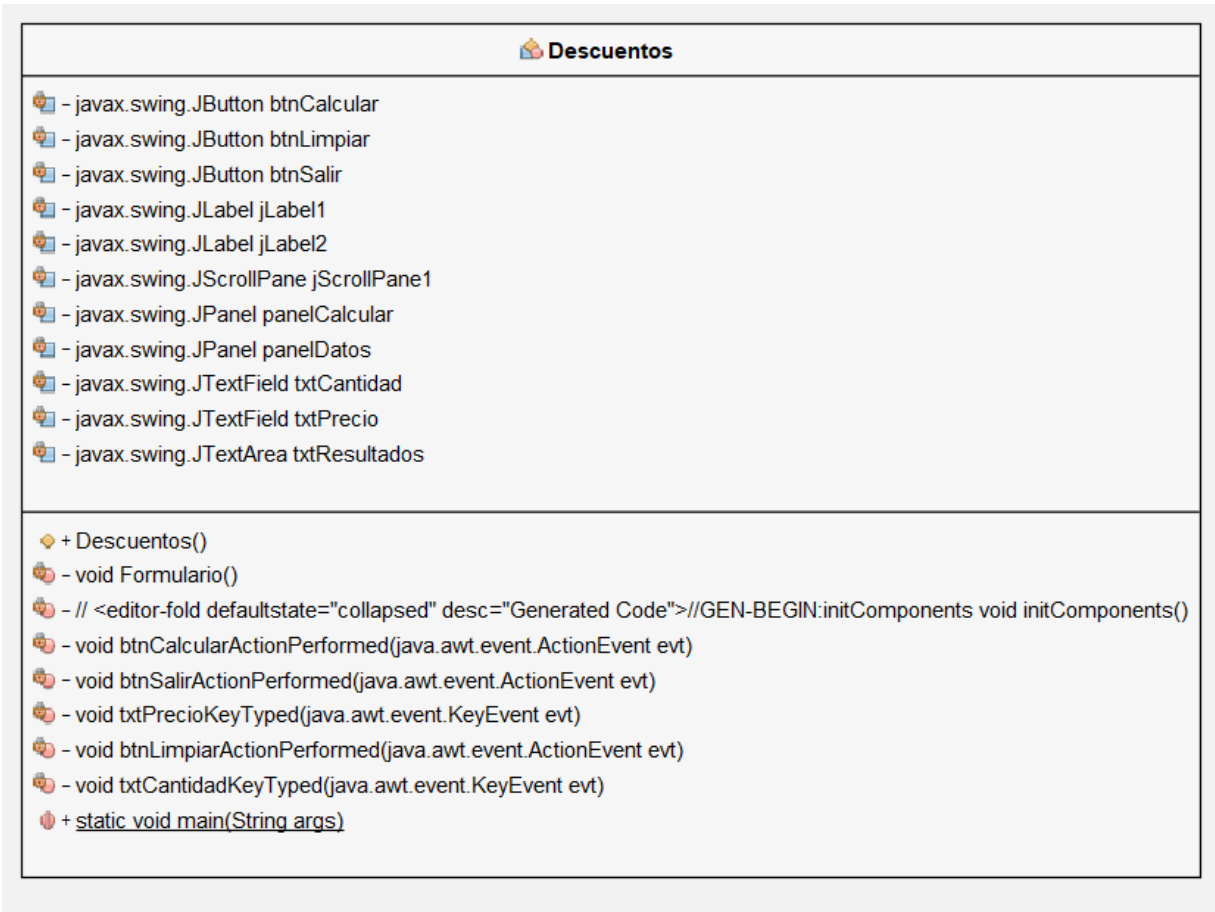**CICLO**: IV
SECCIÓN: A1

HYO-2025

ENUNCIADO 01

Una tienda ha puesto en oferta la venta de camisas ofreciendo un descuento, por temporada de verano, denominado 7% + 7%. Los cálculos se efectúan de la siguiente manera:

•   El importe de la compra es igual al producto del precio de la camisa por la cantidad de unidades adquiridas.

•   El importe del primer descuento es igual al 7% del importe de la compra.

•   El importe del segundo descuento es igual al 7% de lo que queda de restar el importe de la compra menos el importe del primer descuento.

•   El importe del descuento total es igual a la suma de los dos descuentos anteriores.

•   El importe por pagar es igual al importe de la compra menos el importe del descuento total.

DIAGRAMA DE CLASES

DISEÑO DE LA APLICACIÓN

CODIGO DE LA APLICACIÓN

```java
package Vista;


import javax.swing.JOptionPane;


public class Descuentos extends javax.swing.JFrame {


    /**
     * Creates new form Descuentos
     */
    public Descuentos() {
        initComponents();
        Formulario();
    }
```

```java
private void Formulario(){

    this.setTitle("Descuentos");

    this.setLocationRelativeTo(this);

    this.setResizable(false);

    this.txtPrecio.requestFocus();

}
/**
 * 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() {

    panelDatos = new javax.swing.JPanel();

    jLabel2 = new javax.swing.JLabel();

    jLabel1 = new javax.swing.JLabel();

    txtPrecio = new javax.swing.JTextField();

    txtCantidad = new javax.swing.JTextField();

    jScrollPane1 = new javax.swing.JScrollPane();

    txtResultados = new javax.swing.JTextArea();

    panelCalcular = new javax.swing.JPanel();

    btnCalcular = new javax.swing.JButton();

    btnLimpiar = new javax.swing.JButton();

    btnSalir = new javax.swing.JButton();


    setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```java
jLabel2.setFont(new java.awt.Font("Lucida Fax", 1, 12)); // NOI18N

jLabel2.setForeground(new java.awt.Color(102, 0, 102));

jLabel2.setText("Cantidad de unidades:");


jLabel1.setFont(new java.awt.Font("Lucida Fax", 1, 12)); // NOI18N

jLabel1.setForeground(new java.awt.Color(102, 0, 102));

jLabel1.setText("Precio del producto:");


txtPrecio.setBackground(new java.awt.Color(255, 204, 255));

txtPrecio.setHorizontalAlignment(javax.swing.JTextField.RIGHT);

txtPrecio.addKeyListener(new java.awt.event.KeyAdapter() {

  public void keyTyped(java.awt.event.KeyEvent evt) {

    txtPrecioKeyTyped(evt);

  }

});


txtCantidad.setBackground(new java.awt.Color(255, 204, 255));

txtCantidad.setHorizontalAlignment(javax.swing.JTextField.RIGHT);

txtCantidad.addKeyListener(new java.awt.event.KeyAdapter() {

  public void keyTyped(java.awt.event.KeyEvent evt) {

    txtCantidadKeyTyped(evt);

  }

});


txtResultados.setBackground(new java.awt.Color(255, 255, 204));

txtResultados.setColumns(20);

txtResultados.setFont(new java.awt.Font("PT Sans", 0, 14)); // NOI18N

txtResultados.setRows(5);

jScrollPane1.setViewportView(txtResultados);
```

```java
        javax.swing.GroupLayout panelDatosLayout = new
javax.swing.GroupLayout(panelDatos);

    panelDatos.setLayout(panelDatosLayout);

    panelDatosLayout.setHorizontalGroup(

panelDatosLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(panelDatosLayout.createSequentialGroup()

            .addContainerGap()

.addGroup(panelDatosLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)

                .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 311,
Short.MAX_VALUE)

                .addGroup(panelDatosLayout.createSequentialGroup()

.addGroup(panelDatosLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)

                    .addComponent(jLabel1)

                    .addComponent(jLabel2))

                .addGap(18, 18, 18)

.addGroup(panelDatosLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.
LEADING)

                    .addComponent(txtCantidad)

                    .addComponent(txtPrecio))))

            .addContainerGap())
    );

    panelDatosLayout.setVerticalGroup(

panelDatosLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```java
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
panelDatosLayout.createSequentialGroup()

        .addGap(32, 32, 32)


.addGroup(panelDatosLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)

            .addComponent(jLabel1)

            .addComponent(txtPrecio, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(20, 20, 20)


.addGroup(panelDatosLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.
BASELINE)

            .addComponent(jLabel2)

            .addComponent(txtCantidad, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(27, 27, 27)

        .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 171,
Short.MAX_VALUE)

        .addContainerGap())
    );


    btnCalcular.setBackground(new java.awt.Color(0, 51, 255));

    btnCalcular.setFont(new java.awt.Font("Georgia", 1, 12)); // NOI18N

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

    btnCalcular.setText("Calcular");

    btnCalcular.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

    btnCalcular.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

            btnCalcularActionPerformed(evt);

        }
```

```java
    });

    btnLimpiar.setBackground(new java.awt.Color(0, 51, 255));

    btnLimpiar.setFont(new java.awt.Font("Georgia", 1, 12)); // NOI18N

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

    btnLimpiar.setText("Limpiar");

    btnLimpiar.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

    btnLimpiar.addActionListener(new java.awt.event.ActionListener() {

      public void actionPerformed(java.awt.event.ActionEvent evt) {

        btnLimpiarActionPerformed(evt);

      }

    });

    btnSalir.setBackground(new java.awt.Color(255, 0, 0));

    btnSalir.setFont(new java.awt.Font("Georgia", 1, 12)); // NOI18N

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

    btnSalir.setText("Salir");

    btnSalir.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

    btnSalir.addActionListener(new java.awt.event.ActionListener() {

      public void actionPerformed(java.awt.event.ActionEvent evt) {

        btnSalirActionPerformed(evt);

      }

    });

    javax.swing.GroupLayout panelCalcularLayout = new
javax.swing.GroupLayout(panelCalcular);

    panelCalcular.setLayout(panelCalcularLayout);

    panelCalcularLayout.setHorizontalGroup(
```

```java
panelCalcularLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
    .addGroup(panelCalcularLayout.createSequentialGroup()
    .addContainerGap()

.addGroup(panelCalcularLayout.createParallelGroup(javax.swing.GroupLayout.Alignme
nt.LEADING)
        .addComponent(btnSalir, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(btnLimpiar, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(btnCalcular, javax.swing.GroupLayout.DEFAULT_SIZE, 91,
Short.MAX_VALUE))
    .addContainerGap())
);
panelCalcularLayout.setVerticalGroup(

panelCalcularLayout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADIN
G)
    .addGroup(panelCalcularLayout.createSequentialGroup()
    .addGap(68, 68, 68)
    .addComponent(btnCalcular)
    .addGap(36, 36, 36)
    .addComponent(btnLimpiar)
    .addGap(42, 42, 42)
    .addComponent(btnSalir)
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
```

```java
        layout.setHorizontalGroup(

            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
layout.createSequentialGroup()

                .addComponent(panelCalcular, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(panelDatos, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

        );

        layout.setVerticalGroup(

            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(panelCalcular, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

            .addComponent(panelDatos, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        );


        pack();
    }// </editor-fold>


    private void btnCalcularActionPerformed(java.awt.event.ActionEvent evt) {
        double precio = Double.parseDouble(txtPrecio.getText().trim());

        int cantidad = Integer.parseInt(txtCantidad.getText().trim());

        if(cantidad>0 && precio>0){

            double importe_compra = precio*cantidad;

            double primer_descuento= 0.07*importe_compra;

            double nuevo_importe = 0.93*importe_compra;

            double segundo_descuento= 0.07*nuevo_importe;

            double descuento_total = primer_descuento+segundo_descuento;

            double importe_total = 0.93*nuevo_importe;
```

```java
        this.txtResultados.setText("\tResultados");

        this.txtResultados.append("\n\t-------------");

        this.txtResultados.append("\nImporte compra:
\tS/."+String.format("%.2f",importe_compra));

        this.txtResultados.append("\nPrimer descuento:
\tS/."+String.format("%.2f",primer_descuento));

        this.txtResultados.append("\nSegundo descuento:
\tS/."+String.format("%.2f",segundo_descuento));

        this.txtResultados.append("\nDescuento total:
\tS/."+String.format("%.2f",descuento_total));

        this.txtResultados.append("\nImporte total:
\t\tS/."+String.format("%.2f",importe_total));

    }else{

    JOptionPane.showMessageDialog(this, "Ingrese una cantidad mayor a cero");

    this.txtPrecio.setText("");

    this.txtPrecio.requestFocus();

    this.txtCantidad.setText("");

    }


}

private void btnSalirActionPerformed(java.awt.event.ActionEvent evt) {

    System.exit(0);

}


private void txtPrecioKeyTyped(java.awt.event.KeyEvent evt) {

    char c = evt.getKeyChar();


    if (!Character.isDigit(c) && c != '.') {

    evt.consume();

    }
```

```java
        if (c == '.' && txtPrecio.getText().contains(".")) {

            evt.consume();

        }

    }


    private void btnLimpiarActionPerformed(java.awt.event.ActionEvent evt) {

        this.txtPrecio.setText("");

        this.txtPrecio.requestFocus();

        this.txtCantidad.setText("");

        this.txtResultados.setText("");

    }


    private void txtCantidadKeyTyped(java.awt.event.KeyEvent evt) {

        int key = evt.getKeyChar();

        boolean numeros = key>=48 && key<=57;

        if(!numeros){

            evt.consume();

        }

    }


    /**

     * @param args the command line arguments

     */

    public static void main(String args[]) {

        /* Set the Nimbus look and feel */

        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional)
">

        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and
feel.
```

```java
     * For details see
http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
     */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Descuentos.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Descuentos.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Descuentos.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Descuentos.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
    //</editor-fold>


    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
```

```java
        public void run() {

            new Descuentos().setVisible(true);

        }

    });



    }



    // Variables declaration - do not modify

    private javax.swing.JButton btnCalcular;

    private javax.swing.JButton btnLimpiar;

    private javax.swing.JButton btnSalir;

    private javax.swing.JLabel jLabel1;

    private javax.swing.JLabel jLabel2;

    private javax.swing.JScrollPane jScrollPane1;

    private javax.swing.JPanel panelCalcular;

    private javax.swing.JPanel panelDatos;

    private javax.swing.JTextField txtCantidad;

    private javax.swing.JTextField txtPrecio;

    private javax.swing.JTextArea txtResultados;

    // End of variables declaration

}
```

ENUNCIADO 02

Una empresa expondrá sus productos en una feria. La empresa considera que el monto total de dinero a invertir estará distribuido de la siguiente manera:

Rubro	Porcentaje
Alquiler de espacio en la feria	23%
Publicidad	7%
Transporte	26%
Servicios feriales	12%
Decoración	21%
Gastos varios	11%

Dado el monto total de dinero a invertir, diseñe un programa que determine cuánto gastará la empresa en cada rubro.

DIAGRAMA DE CLASES

Rubros

- javax.swing.JButton btnCalcular
- javax.swing.JButton btnLimpiar
- javax.swing.JButton btnSalir
- javax.swing.JLabel jLabel1
- javax.swing.JPanel jPanel1
- javax.swing.JPanel jPanel2
- javax.swing.JScrollPane jScrollPane1
- javax.swing.JTextField txtMonto
- javax.swing.JTextArea txtSalida

- + Rubros()
- void Formulario()
- // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents void initComponents()
- void btnLimpiarActionPerformed(java.awt.event.ActionEvent evt)
- void btnSalirActionPerformed(java.awt.event.ActionEvent evt)
- void btnCalcularActionPerformed(java.awt.event.ActionEvent evt)
- void txtMontoKeyTyped(java.awt.event.KeyEvent evt)
- + static void main(String args)

DISEÑO DE LA APLICACIÓN

CODIGO DE LA APLICACIÓN

package Vista;

import javax.swing.JOptionPane;

```
/**
 *
 * @author USER 17
 */
public class Rubros extends javax.swing.JFrame {

    /**
     * Creates new form Productos
     */
```

```java
public Rubros() {

    initComponents();

    Formulario();

}


private void Formulario(){

    this.setTitle("ENUNCIADO 02");

    this.setLocationRelativeTo(this);

    this.setResizable(false);

    this.txtMonto.requestFocus();

}
/**

 * 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() {


    jPanel1 = new javax.swing.JPanel();

    btnCalcular = new javax.swing.JButton();

    btnLimpiar = new javax.swing.JButton();

    btnSalir = new javax.swing.JButton();

    jPanel2 = new javax.swing.JPanel();

    jLabel1 = new javax.swing.JLabel();

    txtMonto = new javax.swing.JTextField();

    jScrollPane1 = new javax.swing.JScrollPane();

    txtSalida = new javax.swing.JTextArea();
```

```java
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

btnCalcular.setBackground(new java.awt.Color(0, 102, 255));

btnCalcular.setFont(new java.awt.Font("Georgia", 1, 12)); // NOI18N

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

btnCalcular.setText("Calcular");

btnCalcular.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

btnCalcular.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        btnCalcularActionPerformed(evt);

    }

});

btnLimpiar.setBackground(new java.awt.Color(0, 102, 255));

btnLimpiar.setFont(new java.awt.Font("Georgia", 1, 12)); // NOI18N

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

btnLimpiar.setText("Limpiar");

btnLimpiar.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

btnLimpiar.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        btnLimpiarActionPerformed(evt);

    }

});

btnSalir.setBackground(new java.awt.Color(255, 0, 0));

btnSalir.setFont(new java.awt.Font("Georgia", 1, 12)); // NOI18N

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

btnSalir.setText("Salir");
```

```java
btnSalir.setCursor(new java.awt.Cursor(java.awt.Cursor.HAND_CURSOR));

btnSalir.addActionListener(new java.awt.event.ActionListener() {

  public void actionPerformed(java.awt.event.ActionEvent evt) {

    btnSalirActionPerformed(evt);

  }

});


javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

  jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

  .addGroup(jPanel1Layout.createSequentialGroup()

    .addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(btnCalcular, javax.swing.GroupLayout.DEFAULT_SIZE, 100, Short.MAX_VALUE)

        .addComponent(btnLimpiar, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(btnSalir, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

      .addContainerGap())

  );

jPanel1Layout.setVerticalGroup(

  jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

  .addGroup(jPanel1Layout.createSequentialGroup()

    .addGap(73, 73, 73)

    .addComponent(btnCalcular)

    .addGap(36, 36, 36)
```

```java
      .addComponent(btnLimpiar)

      .addGap(41, 41, 41)

      .addComponent(btnSalir)

      .addContainerGap(81, Short.MAX_VALUE))
);


jLabel1.setFont(new java.awt.Font("Lucida Fax", 1, 12)); // NOI18N

jLabel1.setText("Monto total a invertir:");


txtMonto.setBackground(new java.awt.Color(255, 204, 204));

txtMonto.setHorizontalAlignment(javax.swing.JTextField.RIGHT);

txtMonto.addKeyListener(new java.awt.event.KeyAdapter() {

   public void keyTyped(java.awt.event.KeyEvent evt) {

      txtMontoKeyTyped(evt);

   }
});


txtSalida.setBackground(new java.awt.Color(255, 255, 204));

txtSalida.setColumns(20);

txtSalida.setFont(new java.awt.Font("PT Sans", 0, 14)); // NOI18N

txtSalida.setRows(5);

jScrollPane1.setViewportView(txtSalida);


javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

   jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

   .addGroup(jPanel2Layout.createSequentialGroup()

      .addContainerGap()
```

```java
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEA
DING)
                .addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT_SIZE, 276,
Short.MAX_VALUE)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addComponent(jLabel1)
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addComponent(txtMonto, javax.swing.GroupLayout.PREFERRED_SIZE, 109,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addContainerGap())
    );
    jPanel2Layout.setVerticalGroup(
        jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(28, 28, 28)


.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BAS
ELINE)
                .addComponent(jLabel1)
                .addComponent(txtMonto, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(29, 29, 29)
            .addComponent(jScrollPane1)
            .addContainerGap())
    );


    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
```

```java
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
        .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
        layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
        .addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)))
        );

        pack();
    }// </editor-fold>

    private void btnLimpiarActionPerformed(java.awt.event.ActionEvent evt) {
        this.txtMonto.setText("");
        this.txtMonto.requestFocus();
        this.txtSalida.setText("");
    }

    private void btnSalirActionPerformed(java.awt.event.ActionEvent evt) {
        System.exit(0);
```

```java
    }

    private void btnCalcularActionPerformed(java.awt.event.ActionEvent evt) {
        double monto = Double.parseDouble(txtMonto.getText().trim());
        if(monto>0){
            double alquiler_espacio=0.23*monto;
            double publicidad= 0.07*monto;
            double transporte = 0.26*monto;
            double servicios_feriales= 0.12*monto;
            double decoracion = 0.21*monto;
            double gastos = 0.11*monto;
            this.txtSalida.setText("\tResultados");
            this.txtSalida.append("\n\t-------------");
            this.txtSalida.append("\nAlquiler de espacio: \tS/."+String.format("%.2f",alquiler_espacio));
            this.txtSalida.append("\nPublicidad: \t\tS/."+String.format("%.2f",publicidad));
            this.txtSalida.append("\nTransporte: \t\tS/."+String.format("%.2f",transporte));
            this.txtSalida.append("\nServicios feriales: \tS/."+String.format("%.2f",servicios_feriales));
            this.txtSalida.append("\nDecoracion: \t\tS/."+String.format("%.2f",decoracion));
            this.txtSalida.append("\nGastos: \t\tS/."+String.format("%.2f",gastos));
        }else{
            JOptionPane.showMessageDialog(this, "Ingrese un monto mayor a cero");
            this.txtMonto.setText("");
            this.txtMonto.requestFocus();
        }
    }

    private void txtMontoKeyTyped(java.awt.event.KeyEvent evt) {
        char c = evt.getKeyChar();
```

```java
            if (!Character.isDigit(c) && c != '.') {

            evt.consume();

            }

            if (c == '.' && txtMonto.getText().contains(".")) {

                evt.consume();

            }

        }


    /**
     * @param args the command line arguments
     */
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {
```

```java
            java.util.logging.Logger.getLogger(Rubros.class.getName()).log(java.util.logging.Level.SE
VERE, null, ex);
        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(Rubros.class.getName()).log(java.util.logging.Level.SE
VERE, null, ex);
        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(Rubros.class.getName()).log(java.util.logging.Level.SE
VERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

            java.util.logging.Logger.getLogger(Rubros.class.getName()).log(java.util.logging.Level.SE
VERE, null, ex);
        }
        //</editor-fold>
        //</editor-fold>

        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {
                new Rubros().setVisible(true);
            }
        });
    }

    // Variables declaration - do not modify
    private javax.swing.JButton btnCalcular;
    private javax.swing.JButton btnLimpiar;
    private javax.swing.JButton btnSalir;
```

```java
    private javax.swing.JLabel jLabel1;

    private javax.swing.JPanel jPanel1;

    private javax.swing.JPanel jPanel2;

    private javax.swing.JScrollPane jScrollPane1;

    private javax.swing.JTextField txtMonto;

    private javax.swing.JTextArea txtSalida;

    // End of variables declaration

}
```