

-----Unidad 3 Ejercicio Swing -----

Miguel Lozano Arvizu

The screenshot shows the Apache NetBeans IDE 25 interface. The top menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, and Help. The title bar indicates "Unidad3 - Apache NetBeans IDE 25". The left sidebar has a "Projects" section listing EjerciciosCola, Unidad2, and Unidad3. Under Unidad3, there are Source Packages (containing unidad3 and VentanaBasica.java), Test Packages, Libraries, and Test Libraries. The main editor window displays the Java code for VentanaBasica.java:

```
1 package unidad3;
2 import javax.swing.JFrame;
3
4 /**
5  * Ventana basica para aprender
6  * @author miguel Lozano Arvizu
7  * @author 1224100689.mla@gmail.com
8 */
9
10 public class VentanaBasica extends JFrame {
11
12     public VentanaBasica() {
13         // Titulo de la ventana
14         super("Miguel Lozano Arvizu");
15
16         // Tamaño
17         setSize(400, 300);
18
19         // Entrada
20         setLocationRelativeTo(null);
21
22         // Cerrar programa al cerrar ventana
23         setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
24
25         // Aquí después puedes agregar componentes
26         // por ejemplo: add(new JButton("Hola"));
27     }
28
29
30     public static void main(String[] args) {
31         // Crear e iniciar la ventana
32         VentanaBasica ventana = new VentanaBasica();
33         ventana.setVisible(true);
34     }
35 }
36
```

The screenshot shows the Apache NetBeans IDE 25 interface with the "Output - Unidad3 (run)" tab selected. The code editor window for VentanaBasica.java is visible, showing the same code as the previous screenshot. To the right, a Java application window titled "Miguel Lozano Arvizu" is running, displaying the text "Miguel Lozano Arvizu" in its center.

The screenshot shows the Apache NetBeans IDE 25 interface with two main windows.

Top Window: This is the code editor window for the file `VentanaBasica.java`. The code defines a basic window with a blue background:

```
public class VentanaBasica extends JFrame {
    public VentanaBasica() {
        // Titulo de la ventana
        super("Miguel Lozano Arvizu Ventana Basica");

        // Tamaño
        setSize(900, 700);

        // Centrado
        setLocationRelativeTo(null);

        // Cerrar programa al cerrar ventana
        setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    }

    // Crear panel azul
    JPanel panelAzul = new JPanel();
    panelAzul.setBackground(Color.BLUE);

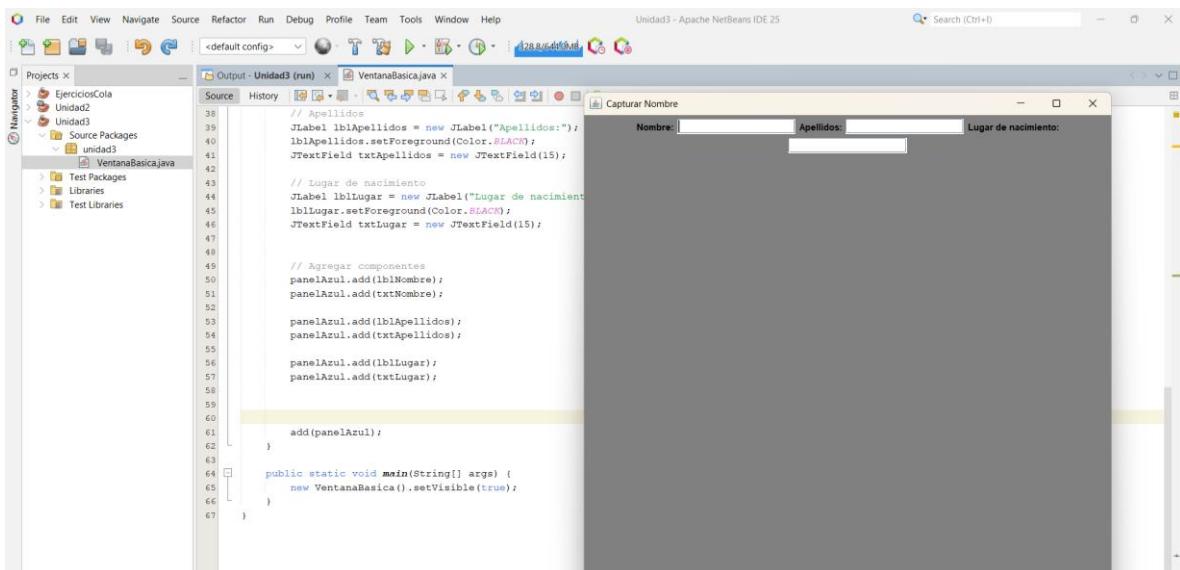
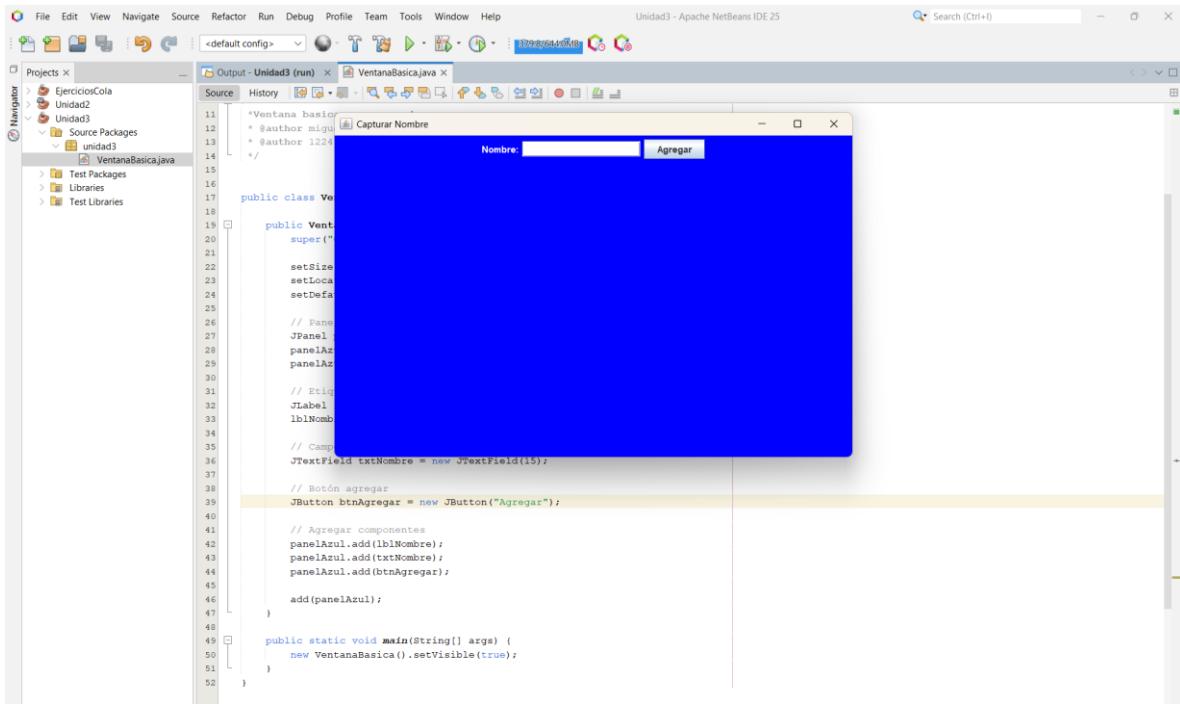
    // Agregar el panel a la ventana
    add(panelAzul);
}

public static void main(String[] args) {
    // Crear e iniciar la ventana
    VentanaBasica ventana = new VentanaBasica();
    ventana.setVisible(true);
}
```

Bottom Window: This is the application window titled "Miguel Lozano Arvizu Ventana Basica". It is a simple gray frame with no visible content, indicating the application is currently empty or has not yet loaded its main content.

The screenshot shows the Apache NetBeans IDE interface. The title bar reads "Unidad3 - Apache NetBeans IDE". The menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help. The toolbar has various icons for file operations like New, Open, Save, and Build. The Projects tab in the Navigator shows three projects: EjerciciosCola, Unidad2, and Unidad3, with Unidad3 expanded to show Source Packages and unidad3, which contains VentanaBasica.java. The Source tab in the editor shows the code for VentanaBasica.java:

```
11 *Ventana basica para aprender
12 * @author miguel Lozano Arvizu
13 * @author 1224100689.mla@gmail.com
14 */
15
16 public class VentanaBasica extends JFrame {
17
18     public VentanaBasica() {
19         super("Capturar Nombre");
20
21         setSize(400, 300);
22         setLocationRelativeTo(null);
23         setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
24
25         // Panel azul
26         JPanel panelAzul = new JPanel();
27         panelAzul.setBackground(Color.BLUE);
28         panelAzul.setLayout(new FlowLayout());
29
30         // Etiqueta
31         JLabel lblNombre = new JLabel("Nombre:");
32         lblNombre.setForeground(Color.WHITE);
33
34         // Campo de texto
35         JTextField txtNombre = new JTextField(15);
36
37         // Botón agregar
38         JButton btnAgregar = new JButton("Agregar");
39
40         // Agregar componentes
41         panelAzul.add(lblNombre);
42         panelAzul.add(txtNombre);
43         panelAzul.add(btnAgregar);
44
45         add(panelAzul);
46     }
47
48     public static void main(String[] args) {
49         new VentanaBasica().setVisible(true);
50     }
51 }
52 }
```



Captura Final:

The screenshot shows the Apache NetBeans IDE 25 interface. The top menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, and Help. The title bar indicates "Unidad3 - Apache NetBeans IDE 25".

The left sidebar displays the "Projects" view, showing three projects: EjerciciosCola, Unidad2, and Unidad3. Under Unidad3, there are Source Packages, unidad3, and VentanaBasica.java.

The main workspace contains two windows:

- Source Editor:** The tab "VentanaBasica.java" is selected. The code is as follows:

```
1 package unidad3;
2 import java.awt.Color;
3 import java.awt.FlowLayout;
4 import java.awt.GridLayout;
5 import javax.swing.BorderFactory;
6 import javax.swing.ButtonGroup;
7 import javax.swing.JButton;
8 import javax.swing.JComboBox;
9 import javax.swing.JFrame;
10 import javax.swing.JLabel;
11 import javax.swing.JOptionPane;
12 import javax.swing.JPanel;
13 import javax.swing.JRadioButton;
14 import javax.swing.JTextField;
15
16 /**
17  * Ventana basica para aprender
18  * @author miguel Lozano Arvizu
19  * @author 1224100689.mla@gmail.com
20 */
```

- Output Window:** The tab "Output - Unidad3 (run)" is selected, showing the "Registro de Datos" dialog box. The dialog has fields for Nombre (Name), Apellidos (Last Name), Municipio (Municipality) set to "Abasolo", Fecha de Nacimiento (Date of Birth) set to Dia 01, Mes 01, Año 1940, and Género (Gender) with radio buttons for Masculino, Femenino, and Otro. A "Registrar" (Register) button is at the bottom.

