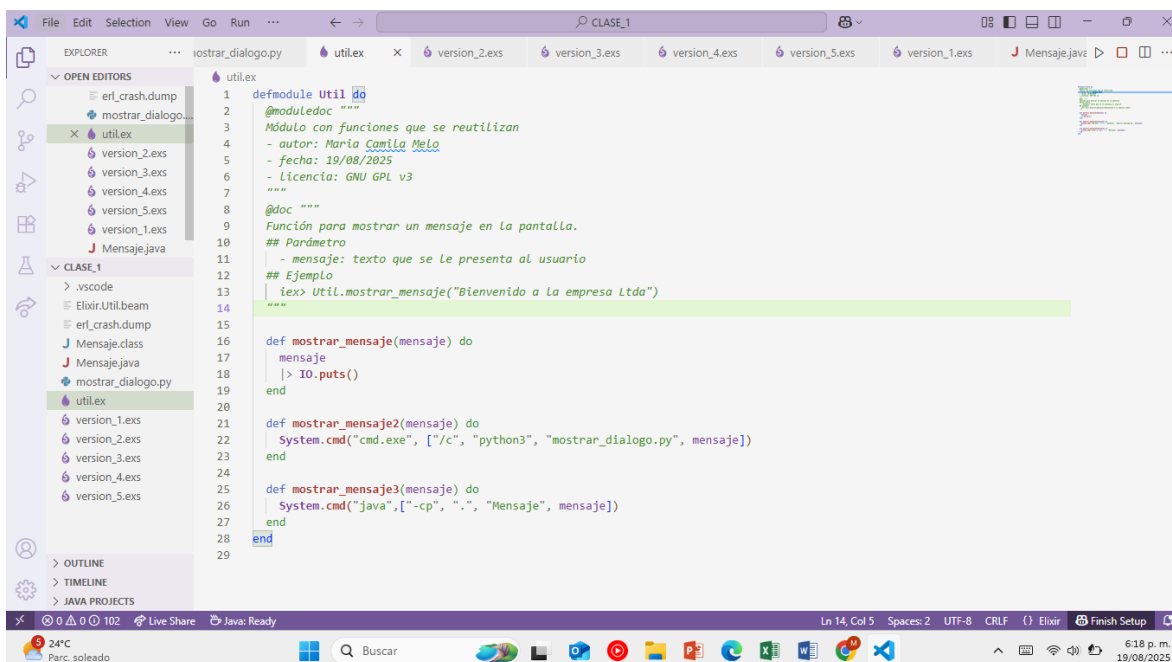


MODULO UTIL:



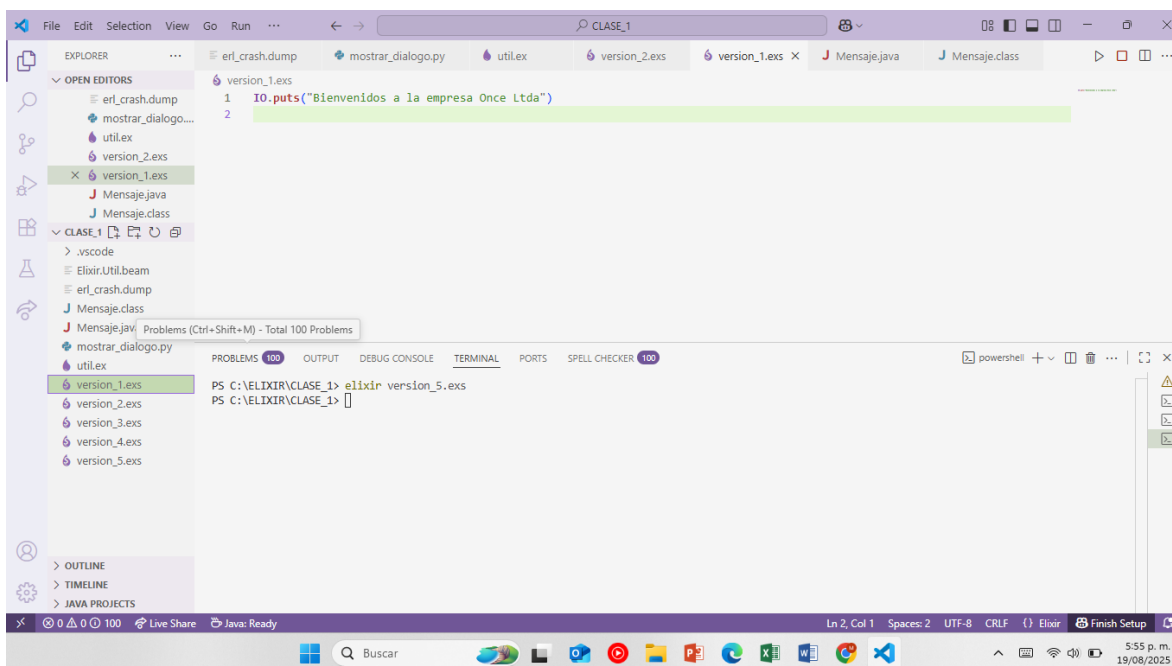
```
defmodule Util do
  @moduledoc """
  Módulo con funciones que se reutilizan
  - autor: Maria Camila Melo
  - fecha: 19/08/2025
  - licencia: GNU GPL v3
  """
  @doc """
  Función para mostrar un mensaje en la pantalla.
  ## Parmetros
  - mensaje: texto que se le presenta al usuario
  ## Ejemplo
  iex> Util.mostrar_mensaje("Bienvenido a La empresa Ltda")
  """

  def mostrar_mensaje(mensaje) do
    mensaje
    |> IO.puts()
  end

  def mostrar_mensaje2(mensaje) do
    System.cmd("cmd.exe", ["/c", "python3", "mostrar_dialogo.py", mensaje])
  end

  def mostrar_mensaje3(mensaje) do
    System.cmd("java", ["-cp", ".", "Mensaje", mensaje])
  end
end
```

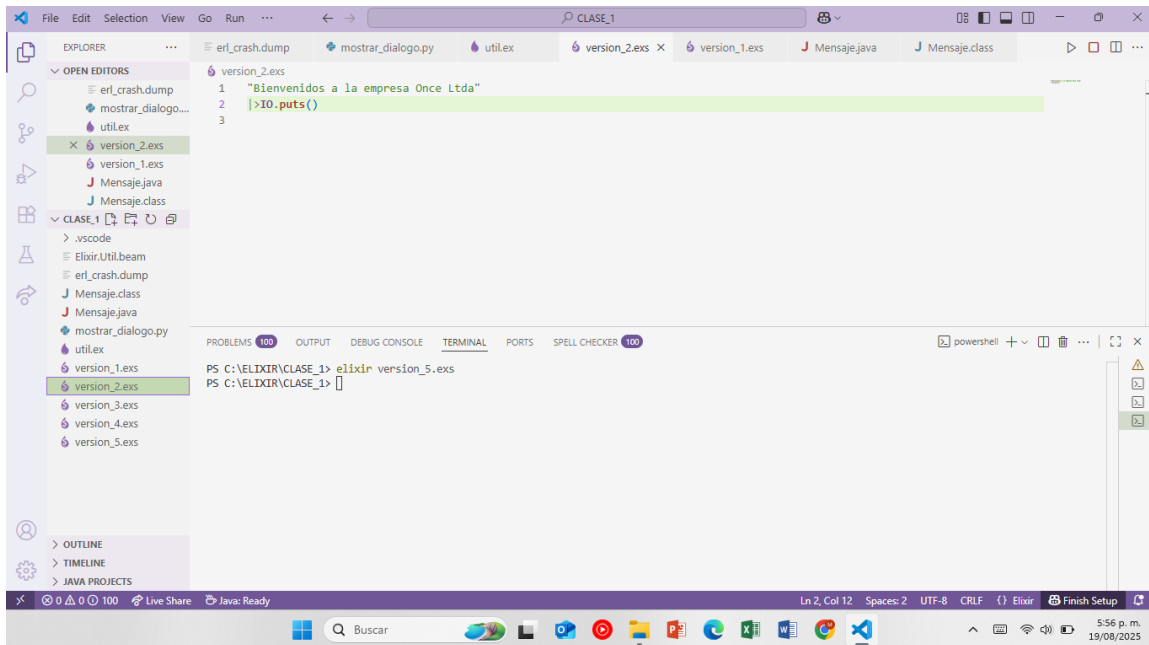
VERSION 1:



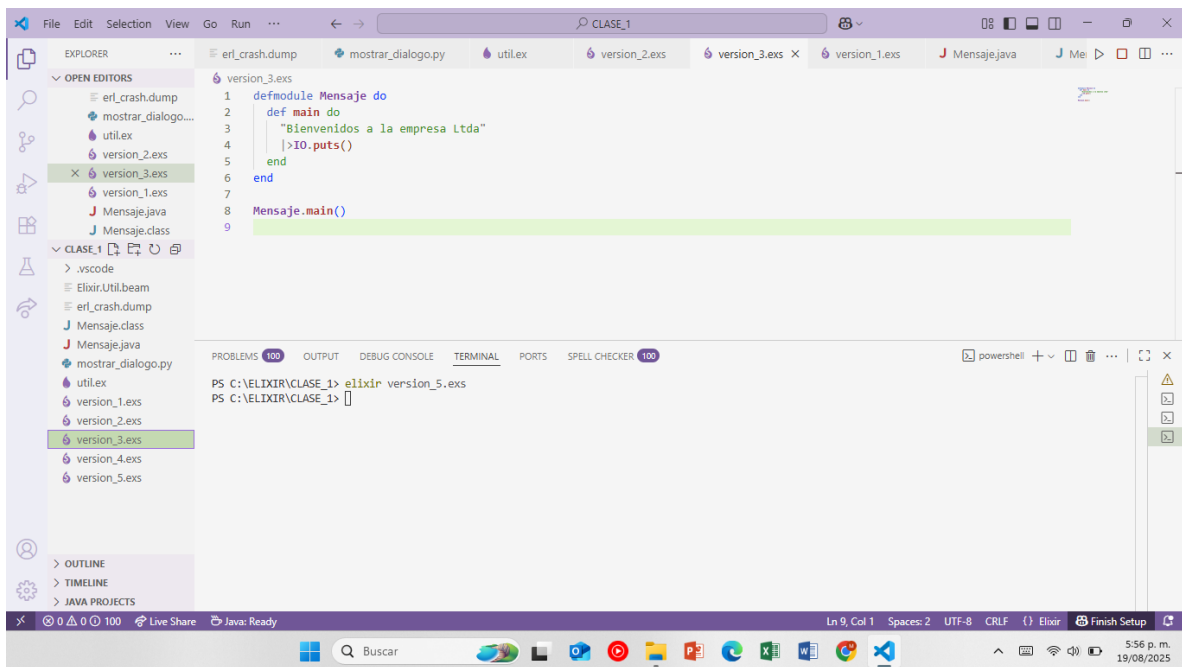
```
IO.puts("Bienvenidos a la empresa Once Ltda")
```

PS C:\ELIXIR\CLASE_1> elixir version_5.exs
PS C:\ELIXIR\CLASE_1>

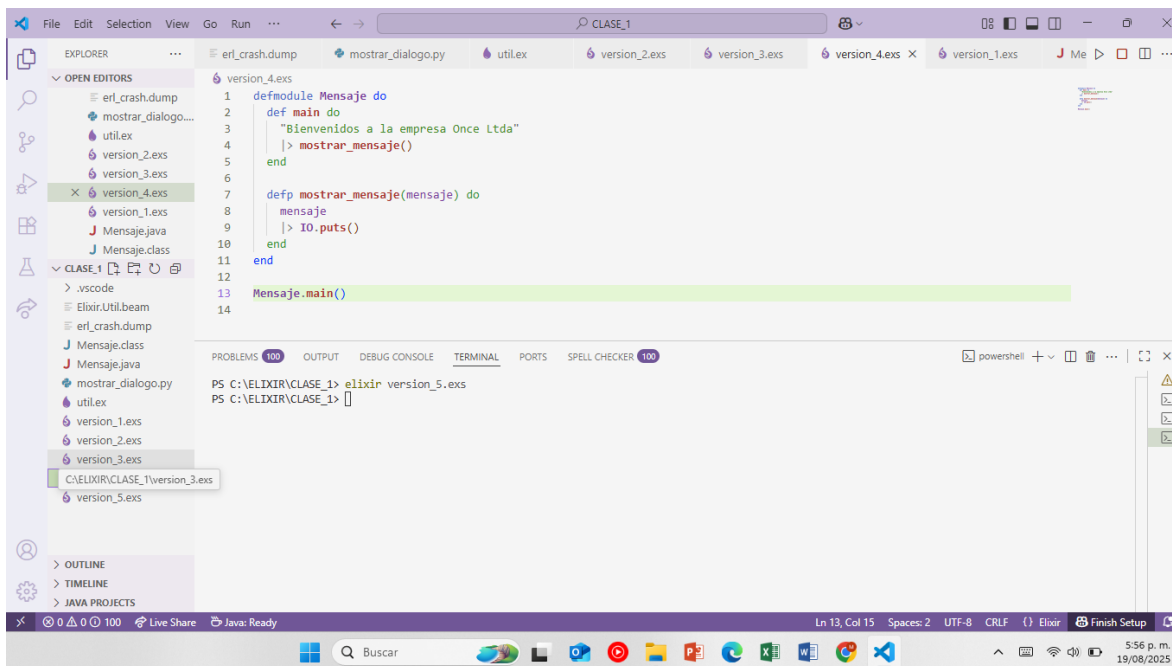
VERSION 2:



VERSION 3:



VERSION 4:



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left. The 'EXPLORER' sidebar shows a project named 'CLASE_1' with several files: `erl_crash.dump`, `mostrar_dialogo.py`, `util.ex`, `version_2.exs`, `version_3.exs`, `version_4.exs` (selected), `version_1.exs`, `Mensaje.java`, and `Mensaje.class`. The main editor displays the content of `version_4.exs`, which contains the following Elixir code:

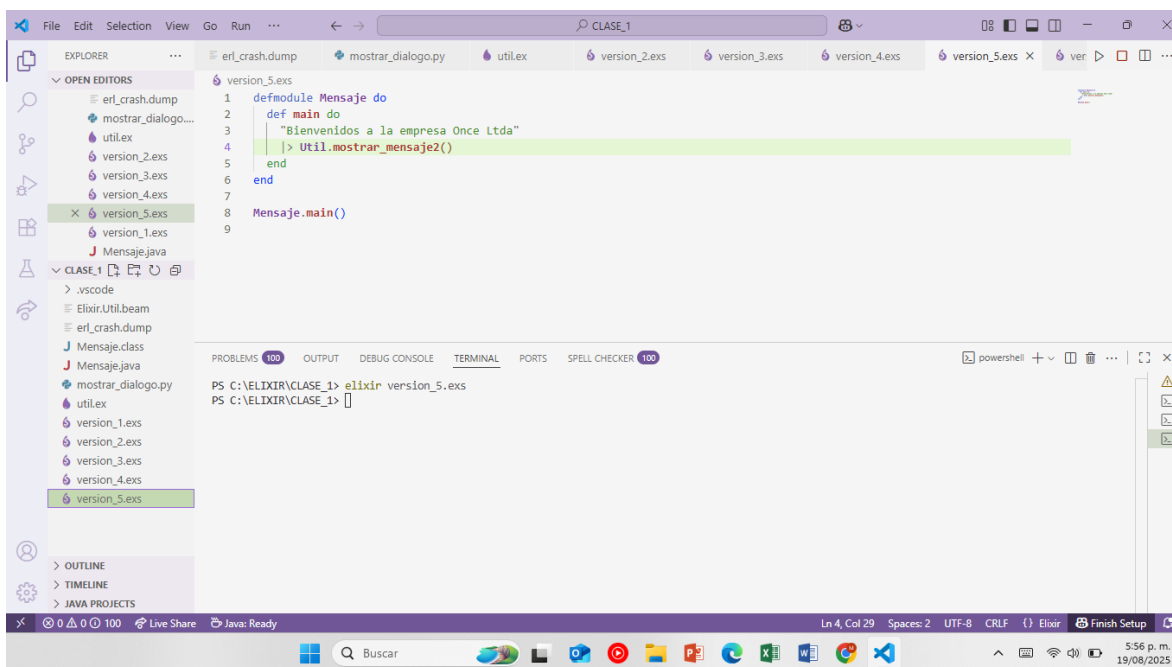
```
1 defmodule Mensaje do
2   def main do
3     "Bienvenidos a la empresa Once Ltda"
4     > mostrar_mensaje()
5   end
6
7   defp mostrar_mensaje(mensaje) do
8     mensaje
9     > IO.puts()
10  end
11 end
12
13 Mensaje.main()
14
```

The bottom of the window shows the 'TERMINAL' tab with the following commands and output:

```
PS C:\ELIXIR\CLASE_1> elixir version_5.exs
PS C:\ELIXIR\CLASE_1>
```

The status bar at the bottom indicates the current position is 'Ln 13, Col 15' and the file encoding is 'UTF-8'.

VERSION 5:



The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left. The 'EXPLORER' sidebar shows the same project 'CLASE_1' with files: `erl_crash.dump`, `mostrar_dialogo.py`, `util.ex`, `version_2.exs`, `version_3.exs`, `version_4.exs`, `version_5.exs` (selected), `version_1.exs`, `Mensaje.java`, and `Mensaje.class`. The main editor displays the content of `version_5.exs`, which contains the following Elixir code:

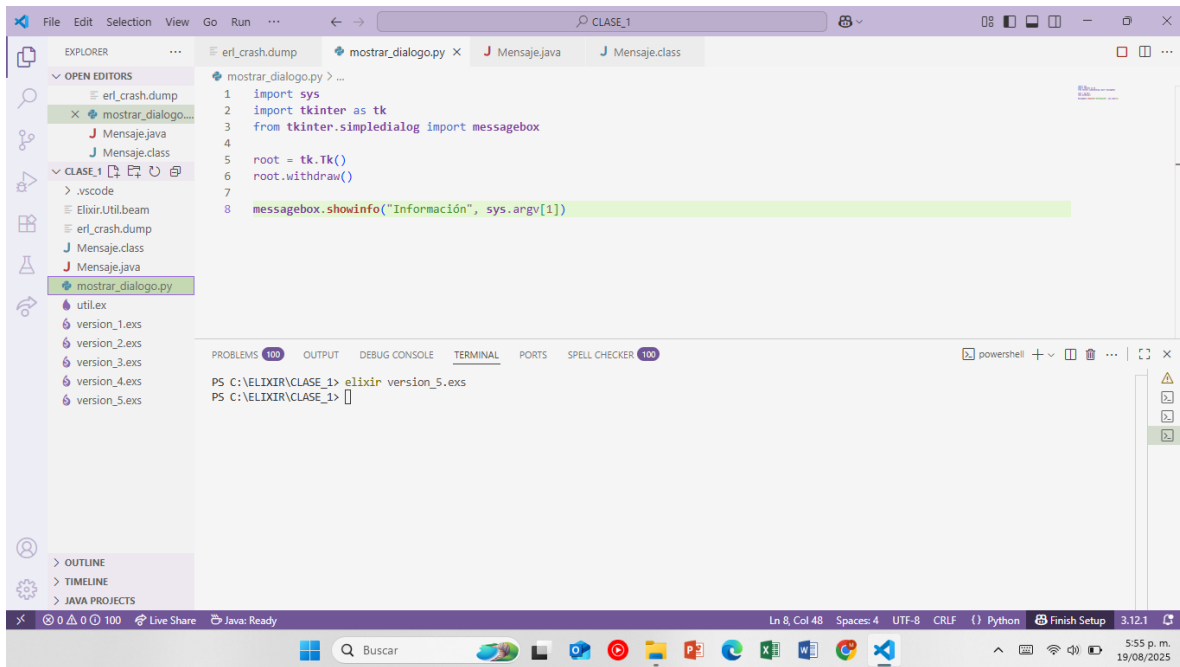
```
1 defmodule Mensaje do
2   def main do
3     "Bienvenidos a la empresa Once Ltda"
4     > Util.mostrar_mensaje2()
5   end
6 end
7
8 Mensaje.main()
9
```

The bottom of the window shows the 'TERMINAL' tab with the following commands and output:

```
PS C:\ELIXIR\CLASE_1> elixir version_5.exs
PS C:\ELIXIR\CLASE_1>
```

The status bar at the bottom indicates the current position is 'Ln 4, Col 29' and the file encoding is 'UTF-8'.

MANDAR_MENSAJE.PY

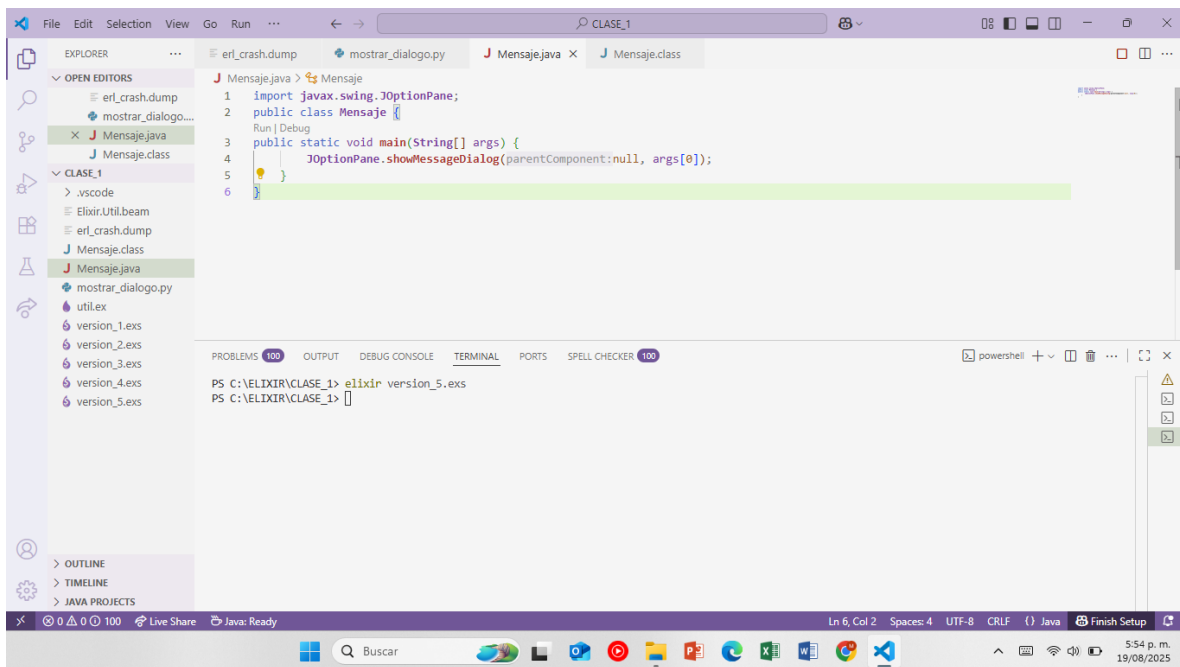


The screenshot shows the Visual Studio Code editor with the file 'mostrar_dialogo.py' open. The code is as follows:

```
1 import sys
2 import tkinter as tk
3 from tkinter.simpledialog import messagebox
4
5 root = tk.Tk()
6 root.withdraw()
7
8 messagebox.showinfo("Información", sys.argv[1])
```

The Explorer sidebar on the left shows the project structure with 'mostrar_dialogo.py' selected. The terminal at the bottom shows the command 'elixir version_5.exs' being executed in a PowerShell window.

CLASE MENSAJE.JAVA

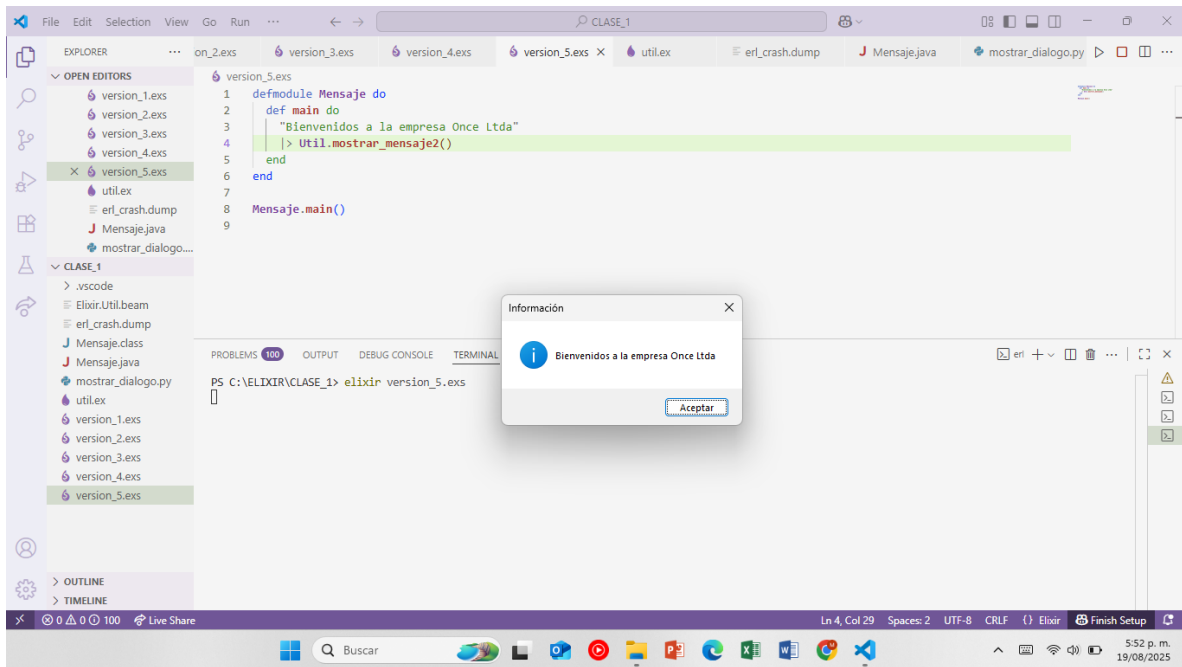


The screenshot shows the Visual Studio Code editor with the file 'Mensaje.java' open. The code is as follows:

```
1 import javax.swing.JOptionPane;
2 public class Mensaje {
3     public static void main(String[] args) {
4         JOptionPane.showMessageDialog(parentComponent:null, args[0]);
5     }
6 }
```

The Explorer sidebar on the left shows the project structure with 'Mensaje.java' selected. The terminal at the bottom shows the command 'elixir version_5.exs' being executed in a PowerShell window.

MENSAJE EN PYTHON:



MENSAJE JAVA:

