This Python-based calculator, created using the tkinter library, is a simple graphical tool for performing basic arithmetic. Below is an overview of its structure and functionality:

**Core Features**

1. **Arithmetic Operations**: Supports addition, subtraction, multiplication, and division.
2. **Clear Function**: The "C" button resets the display to allow fresh calculations.
3. **Result Evaluation**: The "=" button computes and displays the result of the entered expression.
4. **Error Handling**: Displays "Error" for invalid input, such as division by zero or incomplete expressions.
5. **User-Friendly Layout**: Buttons are arranged in a logical 4x4 grid for ease of use.

**Interface Design**

1. **Display**:
   * An entry box serves as the calculator screen to show inputs and results.
   * Updates dynamically as users interact with the buttons.
2. **Button Layout**:
   * Buttons are organized into rows:
     + Row 1: Numbers 7, 8, 9, and division (/).
     + Row 2: Numbers 4, 5, 6, and multiplication (\*).
     + Row 3: Numbers 1, 2, 3, and subtraction (-).
     + Row 4: Clear (C), 0, equals (=), and addition (+).
3. **Visuals**:
   * A consistent font size and adequate spacing create a polished appearance.
   * Button sizes are designed for easy clicking, enhancing accessibility.

**How It Works**

1. The main window, initialized using tk.Tk(), serves as the calculator's foundation.
2. Button clicks are processed through the click function, which updates the display or computes results using Python’s eval() function.
3. The grid system organizes the layout, ensuring a clean and structured design.

**User Instructions**

1. Run the script to open the calculator.
2. Use mouse clicks to input numbers and operations.
3. Press C to clear the screen or = to calculate the result.