**Basic Calculator**

The Basic Calculator GUI Application is a simple graphical user interface (GUI) implementation of a calculator using the Tkinter library in Python. It provides users with a familiar calculator interface for performing basic arithmetic operations.

**Benefits:**

* Provides an intuitive and user-friendly interface for performing arithmetic calculations.
* Enhances productivity by eliminating the need for manual calculations.
* Helps users quickly perform basic arithmetic operations without the need for complex mathematical tools.

**Objectives:**

* To create a functional GUI calculator application using Tkinter.Enhances productivity by eliminating the need for manual calculations.
* To allow users to perform basic arithmetic operations such as addition, subtraction, multiplication, and division.
* To provide a clear and responsive user interface for input and output of mathematical expressions.

**Purpose of the Code:**

This code aims to demonstrate the implementation of a basic calculator GUI application using Python's Tkinter library. It is a learning tool for beginners to understand GUI development in Python and showcase the simplicity of creating interactive applications.

**Significance of the Code:**

* demonstrates how Python is an useful language for creating graphical user interfaces.
* Provides a practical example of event-driven programming using Tkinter.
* provides a framework for enhancing the calculator application's functionality and introducing cutting-edge features.

**Features of the Code:**

1. Input Textbox: Users can input mathematical expressions using the provided interface.
2. Numeric Buttons: Provides buttons for inputting numeric values (0-9).
3. Arithmetic Operation Buttons: Includes buttons for addition (+), subtraction (-), multiplication (x), and division (÷).
4. Clear Button: Allows users to clear the input textbox.
5. Decimal Button: Enables users to input decimal points for floating-point numbers.
6. Undo Button: Allows users to delete the last character entered.

CODE:









