Challenge - SOH CAH TOA Calculator

The object of this challenge is to practice adding event bindings to a Tkinter program.

Mild 🌶️

Create a program that satisfies the following requirements:

- There is a labeled input field for the `opposite` length of a triangle.
- There is a labeled input field for the `hypotenuse` length of a triangle.
- There is a `SOH` function that uses the `opposite` and `hypotenuse` to calculate the `angle` of the triangle in degrees.
- A button to call the function
- A label to display the `angle`

Medium 🌶️ 🌶️

Create **three separate programs**, each focused on a single trigonometric ratio (**SOH**, **CAH**, or **TOA**). Each program must satisfy the requirements listed for its assigned ratio.

- **Program 1**
    - There is a labeled input field for the `opposite` length of a triangle.
    - There is a labeled input field for the `hypotenuse` length of a triangle.
    - There is a `SOH` function that uses the `opposite` and `hypotenuse` to calculate the `angle` of the triangle in degrees.
    - There is a button that calls the `SOH` function.
    - There is a label to display the calculated `angle`.
- **Program 2**
    - There is a labeled input field for the `adjacent` length of a triangle.
    - There is a labeled input field for the `hypotenuse` length of a triangle.
    - There is a `CAH` function that uses the `adjacent` and `hypotenuse` to calculate the `angle` of the triangle in degrees.
    - There is a button that calls the `CAH` function.
    - There is a label to display the calculated `angle`.
- **Program 3**
    - There is a labeled input field for the `opposite` length of a triangle.
    - There is a labeled input field for the `adjacent` length of a triangle.
    - There is a `TOA` function that uses the `opposite` and `adjacent` to calculate the `angle` of the triangle in degrees.
    - There is a button that calls the `TOA` function.
    - There is a label to display the calculated `angle`.

Spicy 🌶️ 🌶️ 🌶️

Create a program that satisfies the following requirements:

- There is a labeled input field for the `opposite` length of a triangle.
- There is a labeled input field for the `hypotenuse` length of a triangle.
- There is a labeled input field for the `adjacent` length of a triangle.
- There is a `SOH` function that uses the `opposite` and `hypotenuse` to calculate the `angle` of the triangle in degrees.
- There is a `CAH` function that uses the `adjacent` and `hypotenuse` to calculate the `angle` of the triangle in degrees.
- There is a `TOA` function that uses the `opposite` and `adjacent` to calculate the `angle` of the triangle in degrees.
- 3 buttons, one to call each function separately
- A label to display the `angle`